



SOUTH CAROLINA
STATE DEPARTMENT
OF EDUCATION



ANALYSIS OF UPSTATE REGION INDUSTRY CLUSTERS

Submitted to:

State of South Carolina
Department of Employment
and Workforce

Submitted by:



3535 Route 66, Bldg. 4
Neptune, NJ 07753
732-918-8000
www.mahernet.com

March, 2016

Contents

INTRODUCTION: Regional Economies, Industry Sectors and Clusters	2
DETERMINING PRIORITY CLUSTERS	3
THE UPSTATE REGION	5
Demographics.....	5
Industry Analysis	6
Planning/Policy Issues to Consider	8
Occupational Considerations.....	9
APPENDIX.....	10
REPORT #1 – CLUSTER SUMMARY REPORT	12
<i>Report 1A: Industry Group Jobs and Earnings.....</i>	<i>12</i>
<i>Report 1B: Industry Group Growth Comparison</i>	<i>13</i>
<i>Report 1C: Industry Group Shift Share.....</i>	<i>14</i>
<i>Report 1D: Industry Group Location Quotient</i>	<i>15</i>
<i>Report 1E: Bubble Chart (see explanation above).....</i>	<i>16</i>
REPORT #2 – HIGHEST RANKED INDUSTRY REPORT	17
<i>Report 2A: Largest Industries.....</i>	<i>17</i>
<i>Report 2B: Highest Paying Industries</i>	<i>19</i>
<i>Report 2C: Fastest Growing Jobs.....</i>	<i>21</i>
<i>Report 2D: Most Competitive Industries</i>	<i>23</i>
<i>Report 2E: Highest Industry Cluster Industries.....</i>	<i>25</i>
REPORT #3 – SUMMARY OF CLUSTERS AND DRIVERS BY REGION	27
REPORT #4 – OCCUPATIONAL REPORT.....	29
<i>Report 4A: Projected Occupational Openings.....</i>	<i>29</i>
<i>Report 4B: Top 100 Openings.....</i>	<i>55</i>
<i>Report 4C: Career Pathways.....</i>	<i>59</i>



INTRODUCTION: Regional Economies, Industry Sectors and Clusters

Any industry exists within a web of relationships that relates to its supply and distribution chain. The companies in these industries use inputs such as raw materials, energy, and labor to provide goods and services which ultimately are delivered to their consumers. These supply and distribution networks operate without respect to geographies and jurisdictions. Individual industries become a part of industry clusters when multiple companies from related industries gather in the same or adjacent areas or regional economies where they can take advantage of common elements, such as labor, which is especially critical for our purposes. WIOA underscores the idea that economic and workforce development planning and programming is most effectively done on a regional basis.

Every regional economy consists of a mix of industries that play a greater or lesser role in the overall number of jobs that exist and in the overall value of goods and services produced. Economists speak of jobs as employment and the value of goods and services as output. Statistics related to employment and output allow researchers to compare growth in an economy over time (past or future) as well as to compare our economy to other regions around the country.

When we add the workforce development component to an industry cluster in a regional economy, our strategy development requires us to identify those industry clusters, occupations, and career pathways that are most crucial to growing the regional economy, and that will therefore provide the optimum mix of employment opportunities.

To make valid comparisons, researchers need definitions that are consistent. This study uses 22 industry clusters that were previously defined and used extensively around the country in helping workforce, economic development, and educational entities identify priority industry clusters. These industry clusters include:

Agriculture Production	Construction	Metals and Metal Fabricating
Food Processing	Chemicals, Rubber, and Plastics	Lumber and Wood Products
Communications and IT Manufacturing	Communications and IT Services	Textiles
Biotechnology	Transportation and Logistics	Wholesale Trade
Business Services	Financial Services	Health Care
Real Estate and Building Services	Government	Retail
Hospitality	Energy and Utilities	Personal Services
Education		



Our work around the country reveals that these definitions account for 95-100% of all companies in a local economy. They follow the work of Michael Porter, which suggests that an industry cluster consists of a core industry as well as its supply and distribution chains. This is different from the North American Industrial Classification System (NAICS), which is essentially a listing of industries, and is more functional for our purposes.

Using this way of conceiving clusters, a cluster like Construction would not only include the companies that build homes, commercial and industrial properties, and highways and bridges, but also the companies that supply the stone for driveways, the lumber and drywall for walls, the trusses for roofs, and all of the other materials needed to build a house, as well as the realtors that sell the houses.

DETERMINING PRIORITY CLUSTERS

Once we have the clusters defined, prioritizing the clusters that are the best bets for economic and workforce development investments is the next task.

Our conceptual approach is primarily a demand-driven, industry-based approach. It is one that is used primarily in economic development circles. However, it offers benefits for workforce development because: (a) it bundles industries where occupations are likely to require skills that are transferable; (b) it still allows us to hone in on specific occupations that may be growing or changing/improving in nature; and (c) it makes it more likely that economic development officials will see the ultimate target industries through the same lens as workforce developers, thereby enhancing alignment. Implications for career pathways and training curriculum grow out of this analysis where the voice of the industry is loud and clear.

Local competitive advantage (location quotient, or LQ) seeks to identify those industries where the local area has certain advantages and as a result does things better than the competition around the country. Competitive advantage may result from access to raw materials, access to markets, an effective transportation system, knowledge generated in local research institutions, knowledge that is imbedded in the skills of the local workforce, or just the presence of an entrepreneur who has located in the local region. LQ alerts us to the presence of a competitive advantage but does not tell us exactly what that advantage is.

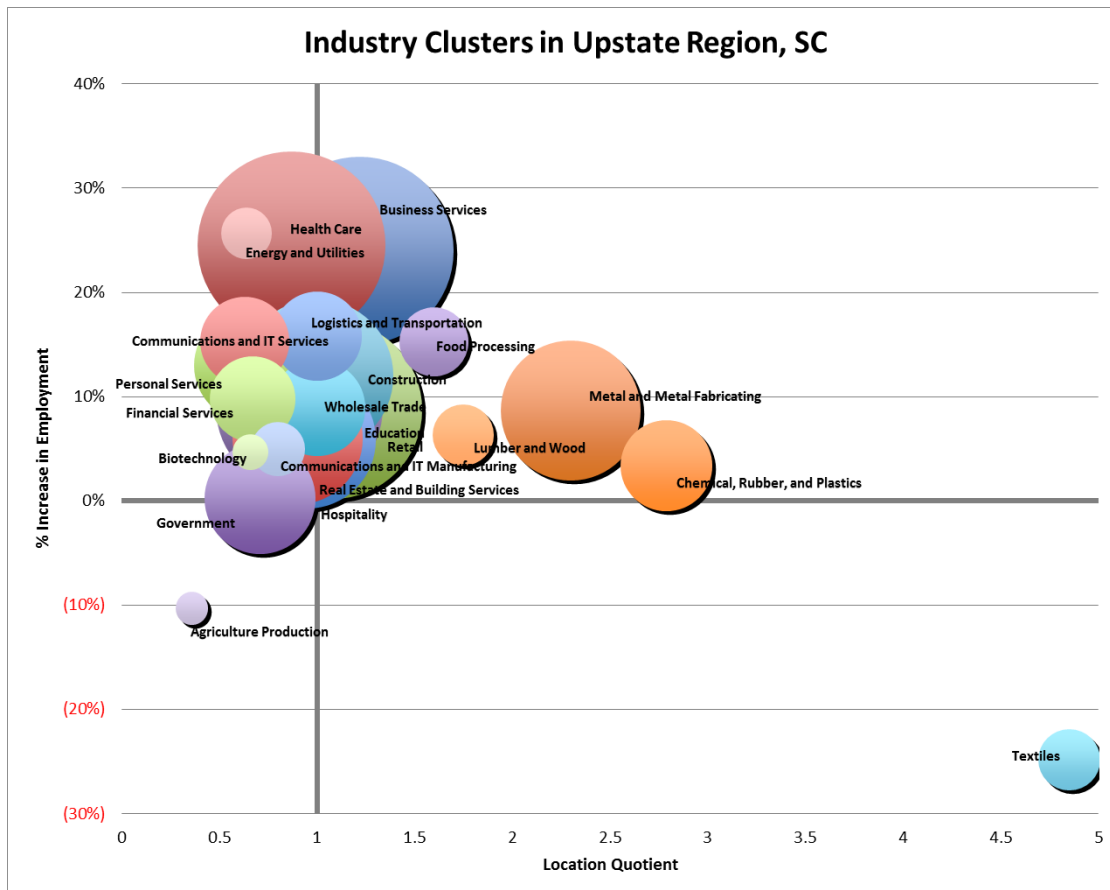
For us, competitive advantage (as measured by the location quotient statistic) is the primary metric for determining priority industries, followed by job growth projections and absolute size of employment in the industry.

Location quotient measures the concentration of employment in the industry locally relative to the concentration of employment in the industry nationally. The assumption is that an industry with a concentration above the national average (above the number “1” in our report tables) has some sort of local competitive advantage that we need to recognize and act upon. For example, in the listing below of top industry clusters and drivers in your

region, Chemicals, Rubber, and Plastics, has an LQ of 2.23, which means that the region has 2.23 times the national average of employment concentration in that industry.

The following documents that are the source of the data for this analysis (*The Appendix contains all the data runs referred to in this discussion. The cover page to the Appendix explains the report structure and the general content of each report.*)

- **Cluster Summary Report (Report #1 in the Appendix)**, which includes charts with the 22 clusters ranked by size and average wage, growth, shift share, and location quotient as well as a bubble chart that plots most of this information on a one-page graphic;
- **Highest Ranked Industry Report (Report #2 in the Appendix)**, which ranks the top 50 5-digit NAICS industries (industry drivers) by size and average wage, growth, shift share, and location quotient;
- A document called **Summary of Clusters and Drivers by Region (Report #3 in the Appendix)**, which aligns the driver industries under each cluster title; and
- **Occupational Report (Report #4 in the Appendix)**, which includes a chart with projected occupational openings, another chart with the Top 100 openings, and a chart that organizes the Top 100 occupations into prospective Career Pathways for occupations that are in multiple industries.



The above bubble chart for this region (also Report #1E in the Appendix) summarizes the Cluster Summary Report and location quotient, projected percentage change in employment, and size of employment in each of the 22 pre-determined industry clusters. Priority clusters can appear in any one of the first three quadrants. Bubbles representing the 22 clusters are shown on the graphic on the following page with four quadrants where:

- The upper right quadrant indicates high LQ and high projected growth;
- The upper left shows industries with high projected growth but less than average LQ;
- The lower left indicates, negative projected growth and less than average LQ.
- The lower right depicts industries with high LQ but negative growth projections. This may be the case with so-called “legacy industries”, which project as being in decline but may be large industries in terms of jobs, and may present a significant competitive advantage for the region. In South Carolina, textiles would fall into the “legacy” category.

We do the Highest Ranked Industry Report (Report #2 in the Appendix) to ensure that we recognize industry drivers (five digit NAICS code industries) that have high location quotients and rapid growth but that may show a lesser impact when they are consolidated into a cluster. Drivers point to highly competitive and rapidly growing industries that may be the essence of local competitive advantage. Matching drivers to clusters in the Summary of Clusters and Drivers by Region (See Report #3 in the Appendix) allows us to see other drivers that we may have missed in our cluster analysis.

THE UPSTATE REGION

Demographics

This Region includes 14 counties including Abbeville, Anderson, Cherokee, Edgefield, Greenville, Greenwood, Laurens, McCormick, Newberry, Oconee, Pickens, Saluda, Spartanburg, and Union.

The following table shows key demographics for the Upstate Region in comparison with the other regions and the state as a whole.

	Population (2015)	Population (2025)	Change	% Change	Age 55+	Less than HS	AAS or more
South Carolina	4,877,827	5,146,532	268,705	6%	29%	15%	34%
Central	1,393,462	1,468,643	75,181	5%	28%	14%	36%
PeeDee	965,492	1,003,007	37,515	4%	33%	18%	27%
South Coast	1,005,040	1,098,261	93,221	9%	29%	11%	39%
Upstate	1,513,833	1,576,621	62,788	4%	29%	18%	32%



Industry Analysis

As mentioned above, for us, competitive advantage (as measured by the location quotient statistic) is the primary metric for determining priority industries, followed by job growth projections and absolute size of employment in the industry (See Reports #1D, #1B, and #1A in the Appendix).

Ranked only by projected location quotient in 2025 (number in parentheses is location quotient), the top industry clusters and drivers included (additional information can be seen in Report #3):

- Textiles (4.85)
 - Broadwoven Fabric Mills (13.75)
 - Nonwoven Fabric Mills (26.24)
 - Narrow Fabric and Schiffli Machine Embroidery Manufacturing (18.97)
 - Textile and Fabric Finishing Mills (6.60)
 - Artificial and Synthetic Fibers and Filaments Manufacturing (9.52)
 - Knit Fabric Mills (34.28)
 - Fabric Coating Mills (24.56)
 - Fiber, Yarn, and Thread Mills (6.20)
 - Carpet and Rug Mills (5.86)
 - Apparel Accessories and Other Apparel Manufacturing (7.39)
- Chemicals, Rubber, and Plastics (2.79)
 - Surface Active Agent Manufacturing (43.55)
 - Tire Manufacturing (17.36)
 - Plastics Bag and Pouch Manufacturing (12.88)
 - Plastics Packaging Film and Sheet Manufacturing (11.27)
 - Photographic Film, Paper, Plate, and Chemical Manufacturing (7.91)
 - Synthetic Dye and Pigment Manufacturing (3.65)
 - All Other Miscellaneous Chemical Product Manufacturing (5.02)
 - Carbon and Graphite Product Manufacturing (3.88)
 - Plastics Material and Resin Manufacturing (4.69)
 - Other Pressed and Blown Glass and Glassware (6.58)
- Metal and Metal Fabricating (2.30)
 - Turbine and Turbine Generator Set Units Manufacturing (27.68)
 - Power-Driven Handtool Manufacturing (33.71)
 - Fiber Optic Cable Manufacturing (26.95)
 - Household Refrigerator and Home Freezer Manufacturing (13.03)
 - Ball and Roller Bearing Manufacturing (18.97)
 - Totalizing Fluid Meter and Counting Device Manufacturing (15.06)
 - Storage Battery Manufacturing (16.63)
 - Automobile Manufacturing (13.51)
 - Fluid Power Pump and Motor Manufacturing (11.56)
 - Capacitor, Resistor, Coil, and Transformer Manufacturing (5.83)
 - Motor Vehicle Gasoline Engine and Engine Parts Manufacturing (7.06)

- Relay and Industrial Control Manufacturing (8.38)
- Cutting Tool and Machine Tool Accessory Manufacturing (8.38)
- Packaging Machinery Manufacturing (6.38)
- Railroad Rolling Stock Manufacturing (5.78)
- Speed Changer and Industrial High-Speed Drive Manufacturing (4.96)
- Residential Electric Lighting Fixture Manufacturing (8.35)
- Motor Vehicle Steering and Suspension Components Manufacturing (5.33)
- Other Communication and Energy Wire Manufacturing (5.39)
- Motor Vehicle Metal Stamping (5.19)
- Lumber and Wood Products (1.75)
 - All Other Converted Paper Product Manufacturing (15.75)
 - Softwood Veneer and Plywood Manufacturing (13.25)
- Food Processing (1.60)
 - Rendering and Meat Byproduct Processing (11.80)
 - Poultry Processing (6.43)
- Business Services (1.22)

There are several sectors, which have a concentration of employment that is only slightly higher or slightly lower than the national average. However, they are larger sectors that are expected to generate good growth numbers over the period being examined. They need to be considered among the priority industries. They are listed below along with location quotient for the cluster and **the expected job growth** for the cluster and drivers for the decade ahead.

- Retail (1.08, **6,717**)
 - Discount Department Stores (1,400)
 - Warehouse Clubs and Supercenters (1,108)
 - Home Centers (1,020)
 - Automotive Parts and Accessories Stores (602)
 - Women's Clothing Stores (549)
- Construction (.95; **2,718**)
 - Plumbing, Heating, and Air Conditioning Contractors (1,881)
 - Industrial Building Construction (1,154)
 - Residential Remodelers (647)
 - All Other Specialty Trade Contractors (1,001)
- Education (1.00, **6,590**)
 - Elementary and Secondary Schools (2,845)
 - Colleges and Universities (1,996)
- Wholesale Trade (1.00; **1,982**)
 - Wholesale Trade Agents and Brokers (1,109)
- Logistics and Transportation (1.00; **2,838**)
 - Specialized Freight Trucking (835)
- Health Care (.87; **18,089**)
 - Offices of Physicians (2,490)



- Nursing Care Facilities (1,677)
- Hospitals (Local Government) (1,661)
- Home Health Care Services (1,652)
- Services for the Elderly and Persons with Disabilities (1,431)
- Offices of Dentists (1,005)
- General Medical and Surgical Hospitals (980)
- Continuing Care Retirement Centers (944)

Most of the sectors with the highest levels of employment have been accounted for above. However, there are three other sectors which are larger employers but that tend to have a high number of part-time workers in jobs that pay lower than the average in the area. They are below the national average in location quotient. For those reasons, we have excluded them from our recommendations.

- Hospitality
- Real Estate and Building Services
- Personal Services

When one includes job growth projections, the industry clusters that rise to the top (and the reason for including them) are:

- Textiles (LQ)
- Chemicals, Rubber and Plastics (LQ)
- Metal and Metal Manufacturing (LQ)
- Lumber and Wood Products (LQ)
- Food Processing (LQ)
- Business Services (which includes the fastest growing driver which is Temporary Help Services) (LQ)
- Retail (Growth)
- Construction (Growth)
- Education (Growth)
- Wholesale Trade (Growth)
- Logistics and Transportation (Growth)
- Health Care (Growth)

One of our key planning tasks involves prioritizing the clusters that will be the focus of our investment of time, funding, and programming in the near future. For that reason, we are interested in finding 4-5 clusters that will be our priorities going forward and identifying one that we will fully develop in the course of this project.

Planning/Policy Issues to Consider

All of the questions below were generated from the documents discussed above, and that are also available in the Appendix.



- Is there any reason for the manufacturing-related clusters to be combined into a Diversified Manufacturing cluster? (See Report #1)
- Textiles are clearly declining but what is left still has a very large LQ. Should Textiles be included? (See Report #1)
- Education is a big cluster but how does the workforce break down by career pathways? Is Education recruiting professors/teachers or is it more ancillary staff? Does it make a difference as to whether this is a priority cluster (See Report #1)?
- Should Business Services be a cluster, given that it appears to be driven by the Temporary Help Industry? (See Reports #1 and #2)
- Should Retail be included because of its tendency to grow low-skill, low-wage jobs with ill-defined career pathways? (See Report #1)
- Should Wholesale Trade and Logistics and Transportation be combines (See Report #1)?

Occupational Considerations

An Occupational Report (Report #4 in the Appendix), which includes a chart with projected occupational openings, another chart with the Top 100 openings, and a chart, that organizes the Top 100 occupations into prospective Career Pathways for occupations that are in multiple industries, is included in the Appendix for reference. Some of this information may be relevant as you make your cluster choices.

Ultimately, we will be interested in looking at the staffing patterns of the industry clusters that are chosen and compare them with this career pathway information as a basis for programming decisions.



APPENDIX

Index of Reports and Charts

Within this Appendix, the reader will find the raw data for this text analysis and discussion within Charts and Report as indicated below:

REPORT #1 – CLUSTER SUMMARY REPORT, which includes charts with the 22 clusters ranked by size and average wage, growth, shift share, and location quotient, as well as a bubble chart that plots most of this information on a one-page graphic:

- **Report 1A - Industry Group Jobs and Earnings:** Includes 2015 and 2025 jobs, earnings per worker, and establishments; ranked by 2015 employment.
- **Report 1B - Industry Group Growth Comparison:** Includes 2015 and 2025 jobs, the change in jobs, and the percentage change in jobs; ranked by percentage change in jobs.
- **Report 1C - Industry Group Shift Share:** Includes projected jobs change as well as a breakdown of the source of growth or decline. Competitive effect is the expected growth or decline in the region. Ranked by competitive effect.
- **Report 1D - Industry Group Location Quotient:** Includes 2015 jobs, 2015 location quotient, 2025 location quotient, and percentage change in location quotients; ranked by 2015 location quotient. Location quotient is a measure of the concentration of the industry in the local area compared to the industry nationally.
- **Report 1E - Bubble Chart** (see explanation above)

REPORT #2 – HIGHEST RANKED INDUSTRY REPORT, which ranks the top 50 5-digit NAICS industries (industry drivers) by size and average wage, growth, shift share, and location quotient:

- **Report 2A - Largest Industries:** Includes 2015 and 2025 jobs, the change in jobs, and the percentage change in jobs along with the 2015 average earnings of workers; ranked by 2015 jobs.
- **Report 2B - Highest Paying Industries:** Includes 2015 and 2025 jobs, the change in jobs, and the percentage change in jobs along with the 2015 average earnings of workers; ranked by average earnings.
- **Report 2C - Fastest Growing Jobs:** Includes 2015 and 2025 jobs, the change in jobs, and the percentage change in jobs along with the 2015 average earnings of workers; ranked by the change in jobs.
- **Report 2D - Most Competitive Industries:** Includes projected jobs change as well as a breakdown of the source of growth or decline. Competitive effect is the expected growth or decline in the region. Also, includes 2015 average earnings of workers. Ranked by competitive effect.



- **Report 2E - Highest Industry Cluster Industries:** Includes 2015 and 2025 jobs, percentage change, 2015 location quotient, 2025 location quotient, and percentage change in location quotients as well as average earnings of workers; ranked by 2015 location quotient. Location quotient is a measure of the concentration of the industry in the local area compared to the industry nationally.

REPORT #3 – SUMMARY OF CLUSTERS AND DRIVERS BY REGION, which aligns the driver industries under each cluster title.

REPORT #4 – OCCUPATIONAL REPORT, which includes a chart with projected occupational openings, another chart with the Top 100 openings, and a chart which organizes the Top 100 occupations into prospective Career Pathways for occupations that are in multiple industries:

- **Report 4A -- Projected Occupational Openings:** Includes SOC code and description, 2015 and 2025 jobs, the change in jobs, percentage change, average hourly earning, and openings; ranked by openings.
- **Report 4B --Top 100 Openings:** Includes SOC code and description, 2015 and 2025 jobs, the change in jobs, percentage change, average hourly earning, and openings; ranked by openings.
- **Report 4C -- Career Pathways:** Includes SOC code and description, 2015 and 2025 jobs, the change in jobs, percentage change, average hourly earning, and openings; ranked by openings within categories that group jobs into pathways by wage and skill progression.



REPORT #1 – CLUSTER SUMMARY REPORT

Report 1A: Industry Group Jobs and Earnings

Group	2015 Jobs	2025 Jobs	Earnings Per Worker	Establishments
Retail	76,786	83,503	\$30,062	4,958
Business Services (NEC)	74,697	92,632	\$49,009	3,417
Health Care	73,805	91,894	\$60,498	2,379
Hospitality	67,332	73,377	\$18,305	3,244
Education	54,912	61,502	\$55,295	724
Metal and Metal Fabricating	47,325	51,435	\$74,633	702
Construction	46,367	49,085	\$57,051	3,728
Real Estate and Building Services	42,155	44,678	\$42,675	3,545
Government	32,289	32,366	\$52,564	705
Personal Services	29,436	33,258	\$24,284	3,402
Wholesale Trade	22,160	24,143	\$65,954	1,463
Chemical, Rubber, and Plastics	21,234	21,949	\$74,279	406
Logistics and Transportation	17,963	20,801	\$51,057	662
Communications and IT Services	17,945	20,687	\$58,643	1,232
Financial Services	17,409	19,111	\$69,102	1,922
Textiles	13,353	10,035	\$49,278	245
Food Processing	10,881	12,537	\$43,341	115
Lumber, Paper, and Wood Products	9,233	9,816	\$56,366	377
Communications and IT Manufacturing (including Printing)	7,313	7,676	\$57,069	279
Energy and Utilities	5,449	6,847	\$100,825	285
Biotechnology and Medical Equipment	3,291	3,444	\$73,942	126
Agriculture Production	3,148	2,824	\$32,576	225

Report 1B: Industry Group Growth Comparison

Group	2015 Jobs	2025 Jobs	Change	% Change		
Energy and Utilities	5,449	6,847	1,398	26%		0.64
Health Care	73,805	91,894	18,089	25%		0.87
Business Services (NEC)	74,697	92,632	17,936	24%		1.22
Logistics and Transportation	17,963	20,801	2,838	16%		1
Communications and IT Services	17,945	20,687	2,742	15%		0.63
Food Processing	10,881	12,537	1,656	15%		1.6
Personal Services	29,436	33,258	3,822	13%		0.66
Education	54,912	61,502	6,590	12%		1
Financial Services	17,409	19,111	1,702	10%		0.67
Hospitality	67,332	73,377	6,045	9%		0.91
Wholesale Trade	22,160	24,143	1,982	9%		1
Retail	76,786	83,503	6,717	9%		1.08
Metal and Metal Fabricating	47,325	51,435	4,109	9%		2.3
Lumber, Paper, and Wood Products	9,233	9,816	583	6%		1.75
Real Estate and Building Services	42,155	44,678	2,522	6%		0.9
Construction	46,367	49,085	2,718	6%		0.95
Communications and IT Manufacturing (including Printing)	7,313	7,676	363	5%		0.8
Biotechnology and Medical Equipment	3,291	3,444	154	5%		0.66
Chemical, Rubber, and Plastics	21,234	21,949	715	3%		2.79
Government	32,289	32,366	76	0%		0.71
Agriculture Production	3,148	2,824	(324)	(10%)		0.36
Textiles	13,353	10,035	(3,317)	(25%)		4.85

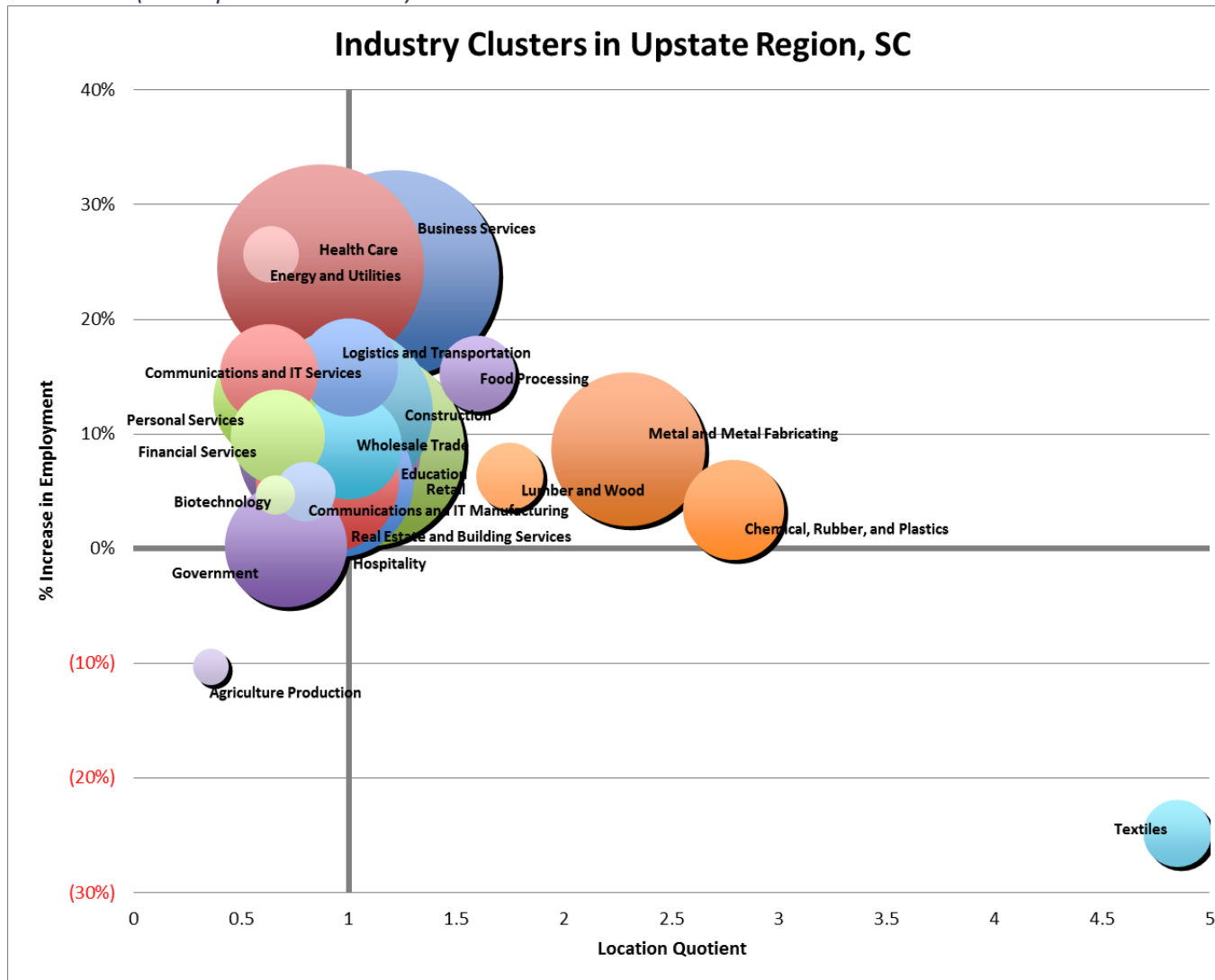
Report 1C: Industry Group Shift Share

Group	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Business Services (NEC)	17,936	4,768	8,208	12,976	4,960
Health Care	18,089	7,256	8,110	15,366	2,723
Metal and Metal Fabricating	4,109	(3,605)	5,201	1,596	2,514
Food Processing	1,656	(759)	1,196	436	1,220
Lumber, Paper, and Wood Products	583	(1,525)	1,015	(510)	1,093
Chemical, Rubber, and Plastics	715	(2,463)	2,333	(129)	845
Retail	6,717	(2,538)	8,438	5,900	818
Communications and IT Manufacturing (including Printing)	363	(1,093)	804	(289)	652
Logistics and Transportation	2,838	216	1,974	2,190	648
Education	6,590	(72)	6,034	5,962	628
Energy and Utilities	1,398	207	599	806	592
Wholesale Trade	1,982	(940)	2,435	1,495	487
Financial Services	1,702	(432)	1,913	1,481	221
Communications and IT Services	2,742	638	1,972	2,610	131
Biotechnology and Medical Equipment	154	40	362	401	(248)
Agriculture Production	(324)	(360)	346	(14)	(311)
Textiles	(3,317)	(3,959)	1,467	(2,492)	(825)
Personal Services	3,822	1,416	3,235	4,651	(829)
Government	76	(2,483)	3,548	1,065	(989)
Real Estate and Building Services	2,522	(601)	4,632	4,031	(1,509)
Hospitality	6,045	334	7,399	7,733	(1,688)
Construction	2,718	89	5,095	5,185	(2,467)

Report 1D: Industry Group Location Quotient

Group	2015 Jobs	2015 LQ	2025 LQ	Percent Change LQ
Textiles	13,353	5.26	4.85	(8%)
Chemical, Rubber, and Plastics	21,234	2.69	2.79	4%
Metal and Metal Fabricating	47,325	2.19	2.30	5%
Lumber, Paper, and Wood Products	9,233	1.56	1.75	12%
Food Processing	10,881	1.45	1.60	10%
Business Services (NEC)	74,697	1.16	1.22	5%
Retail	76,786	1.07	1.08	1%
Construction	46,367	1.00	0.95	(5%)
Education	54,912	0.99	1.00	1%
Wholesale Trade	22,160	0.99	1.00	2%
Logistics and Transportation	17,963	0.97	1.00	3%
Hospitality	67,332	0.94	0.91	(3%)
Real Estate and Building Services	42,155	0.93	0.90	(4%)
Health Care	73,805	0.84	0.87	3%
Communications and IT Manufacturing (including Printing)	7,313	0.74	0.80	9%
Government	32,289	0.74	0.71	(3%)
Biotechnology and Medical Equipment	3,291	0.71	0.66	(7%)
Personal Services	29,436	0.68	0.66	(3%)
Financial Services	17,409	0.66	0.67	1%
Communications and IT Services	17,945	0.63	0.63	0%
Energy and Utilities	5,449	0.59	0.64	9%
Agriculture Production	3,148	0.40	0.36	(10%)

Report 1E: Bubble Chart (see explanation above)



REPORT #2 – HIGHEST RANKED INDUSTRY REPORT

Report 2A: Largest Industries

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2015 Earnings Per Worker
Elementary and Secondary Schools (Local Government)	34,859	37,704	2,845	8%	\$54,139
Temporary Help Services	31,878	42,147	10,269	32%	\$31,239
Full-Service Restaurants	23,067	25,439	2,372	10%	\$19,019
Limited-Service Restaurants	21,857	23,430	1,574	7%	\$14,324
Local Government, Excluding Education and Hospitals	21,801	22,493	693	3%	\$48,871
Hospitals (Local Government)	19,208	20,868	1,661	9%	\$70,127
Supermarkets and Other Grocery (except Convenience) Stores	12,057	12,307	250	2%	\$24,297
Offices of Physicians (except Mental Health Specialists)	10,055	12,545	2,490	25%	\$108,735
Colleges, Universities, and Professional Schools (State Government)	9,386	10,238	852	9%	\$71,420
State Government, Excluding Education and Hospitals	7,954	7,382	(572)	(7%)	\$46,993
Warehouse Clubs and Supercenters	7,679	8,787	1,108	14%	\$27,040
Colleges, Universities, and Professional Schools	6,924	8,920	1,996	29%	\$47,964
Corporate, Subsidiary, and Regional Managing Offices	6,839	7,052	214	3%	\$97,220
Janitorial Services	6,743	6,891	148	2%	\$17,073
General Medical and Surgical Hospitals	6,631	7,610	980	15%	\$71,261
Nursing Care Facilities (Skilled Nursing Facilities)	6,560	8,237	1,677	26%	\$35,408
Automobile Manufacturing	6,379	8,260	1,881	29%	\$92,798
General Warehousing and Storage	6,148	7,435	1,287	21%	\$41,032
Gasoline Stations with Convenience Stores	5,584	5,835	251	4%	\$21,101
Commercial Banking	5,524	6,190	666	12%	\$63,433
Poultry Processing	5,448	6,550	1,103	20%	\$37,886
Engineering Services	5,214	6,824	1,610	31%	\$100,115
Landscaping Services	4,801	4,581	(220)	(5%)	\$22,173

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2015 Earnings Per Worker
Broadwoven Fabric Mills	4,562	531	(4,030)	(88%)	\$46,764
Plumbing, Heating, and Air-Conditioning Contractors	4,411	6,292	1,881	43%	\$47,612
New Car Dealers	4,212	4,375	163	4%	\$59,372
Offices of Dentists	4,161	5,167	1,005	24%	\$62,807
Hotels (except Casino Hotels) and Motels	3,963	4,213	250	6%	\$22,270
All Other Plastics Product Manufacturing	3,920	5,639	1,719	44%	\$52,389
Fitness and Recreational Sports Centers	3,853	4,716	863	22%	\$13,462
Pharmacies and Drug Stores	3,698	4,441	743	20%	\$44,162
Home Centers	3,659	4,680	1,020	28%	\$29,198
Tire Manufacturing (except Retreading)	3,559	3,339	(220)	(6%)	\$71,955
Turbine and Turbine Generator Set Units Manufacturing	3,551	4,081	530	15%	\$113,974
Electrical Contractors and Other Wiring Installation Contractors	3,457	3,483	26	1%	\$48,714
Offices of Lawyers	3,430	3,689	260	8%	\$79,146
Child Day Care Services	3,403	3,640	236	7%	\$16,510
Discount Department Stores	3,310	4,710	1,400	42%	\$19,771
Telemarketing Bureaus and Other Contact Centers	3,265	4,273	1,009	31%	\$30,056
Wholesale Trade Agents and Brokers	3,180	4,290	1,109	35%	\$78,107
Private Households	3,176	3,677	501	16%	\$8,984
All Other General Merchandise Stores	3,163	3,647	484	15%	\$24,341
Insurance Agencies and Brokerages	3,157	3,443	286	9%	\$54,602
Home Health Care Services	3,054	4,706	1,652	54%	\$31,195
Services for the Elderly and Persons with Disabilities	3,035	4,467	1,431	47%	\$16,345
Wired Telecommunications Carriers	2,917	3,094	177	6%	\$73,903
Beauty Salons	2,885	2,790	(95)	(3%)	\$19,108
Security Guards and Patrol Services	2,775	3,751	976	35%	\$22,992
Other Motor Vehicle Parts Manufacturing	2,772	2,871	99	4%	\$67,038
General Freight Trucking, Long-Distance, Truckload	2,738	2,354	(383)	(14%)	\$52,400

Report 2B: Highest Paying Industries

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015- 2025)	% Change	2015 Earnings Per Worker
Investment Banking and Securities Dealing	213	189	(24)	(11%)	\$217,443
All Other Miscellaneous Chemical Product and Preparation Manufacturing	910	942	32	4%	\$205,993
Securities Brokerage	361	438	77	21%	\$196,654
Nuclear Electric Power Generation	1,445	1,479	34	2%	\$153,309
Other Aircraft Parts and Auxiliary Equipment Manufacturing	355	468	113	32%	\$138,910
Residential Electric Lighting Fixture Manufacturing	238	229	(9)	(4%)	\$128,868
Cement Manufacturing	17	42	25	147%	\$123,152
Aircraft Manufacturing	54	100	46	85%	\$118,206
Electronic Computer Manufacturing	65	71	6	9%	\$117,573
Electric Bulk Power Transmission and Control	358	334	(24)	(7%)	\$116,844
Computer Terminal and Other Computer Peripheral Equipment Manufacturing	39	48	9	23%	\$116,414
Secondary Market Financing	13	23	10	77%	\$114,650
Turbine and Turbine Generator Set Units Manufacturing	3,551	4,081	530	15%	\$113,974
Industrial Building Construction	2,385	3,538	1,153	48%	\$112,044
Other Basic Inorganic Chemical Manufacturing	136	95	(41)	(30%)	\$111,926
Plastics Packaging Film and Sheet (including Laminated) Manufacturing	909	1,385	476	52%	\$109,433
Offices of Physicians (except Mental Health Specialists)	10,055	12,545	2,490	25%	\$108,735
Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	924	1,204	280	30%	\$107,440
Synthetic Rubber Manufacturing	32	56	24	75%	\$106,479
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	62	124	62	100%	\$104,705
Direct Life Insurance Carriers	654	324	(330)	(50%)	\$104,288
Industrial Valve Manufacturing	194	165	(29)	(15%)	\$101,180
Facilities Support Services	1,419	930	(489)	(34%)	\$100,251
Engineering Services	5,214	6,824	1,610	31%	\$100,115
All Other Basic Organic Chemical Manufacturing	147	194	47	32%	\$99,885
Federal Government, Civilian, Excluding Postal Service	1,794	1,660	(134)	(7%)	\$99,503

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015- 2025)	% Change	2015 Earnings Per Worker
Paperboard Mills	164	167	3	2%	\$98,057
Fossil Fuel Electric Power Generation	184	104	(80)	(43%)	\$97,846
Other Nonhazardous Waste Treatment and Disposal	63	60	(3)	(5%)	\$97,249
Corporate, Subsidiary, and Regional Managing Offices	6,839	7,052	213	3%	\$97,220
Synthetic Dye and Pigment Manufacturing	415	171	(244)	(59%)	\$95,604
Electric Power Distribution	388	339	(49)	(13%)	\$94,237
Automobile Manufacturing	6,379	8,260	1,881	29%	\$92,798
Office Equipment Merchant Wholesalers	779	1,041	262	34%	\$91,446
Portfolio Management	206	269	63	31%	\$91,326
Surface Active Agent Manufacturing	919	834	(85)	(9%)	\$90,555
Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	15	10	(5)	(33%)	\$89,340
Aircraft Engine and Engine Parts Manufacturing	387	323	(64)	(17%)	\$89,064
Investment Advice	391	435	44	11%	\$88,820
Plastics Material and Resin Manufacturing	1,238	1,214	(24)	(2%)	\$88,659
Reconstituted Wood Product Manufacturing	195	297	102	52%	\$88,467
Other Pressed and Blown Glass and Glassware Manufacturing	350	335	(15)	(4%)	\$88,064
Fiber Optic Cable Manufacturing	793	895	102	13%	\$87,392
Switchgear and Switchboard Apparatus Manufacturing	309	361	52	17%	\$86,612
Diagnostic Imaging Centers	198	221	23	12%	\$86,399
Pharmaceutical Preparation Manufacturing	1,334	1,286	(48)	(4%)	\$86,032
Photographic and Photocopying Equipment Manufacturing	178	194	16	9%	\$85,943
Direct Property and Casualty Insurance Carriers	509	397	(112)	(22%)	\$85,769
Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	394	303	(91)	(23%)	\$85,665
Testing Laboratories	1,203	1,976	773	64%	\$85,657

Report 2C: Fastest Growing Jobs

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015- 2025)	% Change	2015 Earnings Per Worker
Temporary Help Services	31,878	42,147	10,269	32%	\$31,239
Elementary and Secondary Schools (Local Government)	34,859	37,704	2,845	8%	\$54,139
Offices of Physicians (except Mental Health Specialists)	10,055	12,545	2,490	25%	\$108,735
Full-Service Restaurants	23,067	25,439	2,372	10%	\$19,019
Colleges, Universities, and Professional Schools	6,924	8,920	1,996	29%	\$47,964
Automobile Manufacturing	6,379	8,260	1,881	29%	\$92,798
Plumbing, Heating, and Air-Conditioning Contractors	4,411	6,292	1,881	43%	\$47,612
All Other Plastics Product Manufacturing	3,920	5,639	1,719	44%	\$52,389
Nursing Care Facilities (Skilled Nursing Facilities)	6,560	8,237	1,677	26%	\$35,408
Hospitals (Local Government)	19,208	20,868	1,661	9%	\$70,127
Home Health Care Services	3,054	4,706	1,652	54%	\$31,195
Engineering Services	5,214	6,824	1,610	31%	\$100,115
Nonwoven Fabric Mills	1,006	2,590	1,584	157%	\$67,406
Limited-Service Restaurants	21,857	23,430	1,574	7%	\$14,324
Power and Communication Line and Related Structures Construction	1,527	2,987	1,460	96%	\$74,177
Services for the Elderly and Persons with Disabilities	3,035	4,467	1,431	47%	\$16,345
Discount Department Stores	3,310	4,710	1,400	42%	\$19,771
General Warehousing and Storage	6,148	7,435	1,287	21%	\$41,032
Specialty (except Psychiatric and Substance Abuse) Hospitals	1,289	2,457	1,168	91%	\$51,018
Industrial Building Construction	2,385	3,538	1,154	48%	\$112,044
Wholesale Trade Agents and Brokers	3,180	4,290	1,109	35%	\$78,107
Warehouse Clubs and Supercenters	7,679	8,787	1,108	14%	\$27,040
Poultry Processing	5,448	6,550	1,103	20%	\$37,886
Home Centers	3,659	4,680	1,020	28%	\$29,198
Telemarketing Bureaus and Other Contact Centers	3,265	4,273	1,009	31%	\$30,056

Industry	2015 Jobs	2025 Jobs	Change in Jobs (2015- 2025)	% Change	2015 Earnings Per Worker
Offices of Dentists	4,161	5,167	1,005	24%	\$62,807
General Medical and Surgical Hospitals	6,631	7,610	980	15%	\$71,261
Security Guards and Patrol Services	2,775	3,751	976	35%	\$22,992
Continuing Care Retirement Communities	2,339	3,283	944	40%	\$27,519
Fabric Coating Mills	384	1,297	913	238%	\$58,708
Motor Vehicle Transmission and Power Train Parts Manufacturing	1,144	2,046	902	79%	\$71,080
Fitness and Recreational Sports Centers	3,853	4,716	863	22%	\$13,462
Employment Placement Agencies	2,508	3,361	853	34%	\$26,739
Colleges, Universities, and Professional Schools (State Government)	9,386	10,238	852	9%	\$71,420
Specialized Freight (except Used Goods) Trucking, Long-Distance	1,002	1,837	835	83%	\$56,950
Office Administrative Services	2,217	3,030	813	37%	\$54,721
Motor Vehicle Seating and Interior Trim Manufacturing	1,229	2,003	773	63%	\$65,010
Testing Laboratories	1,203	1,976	773	64%	\$85,657
Sales Financing	1,408	2,156	749	53%	\$56,825
Pharmacies and Drug Stores	3,698	4,441	743	20%	\$44,162
Other Individual and Family Services	1,000	1,731	731	73%	\$33,586
Local Government, Excluding Education and Hospitals	21,801	22,493	693	3%	\$48,871
Wireless Telecommunications Carriers (except Satellite)	1,982	2,656	675	34%	\$65,605
Commercial Banking	5,524	6,190	666	12%	\$63,433
Residential Remodelers	1,892	2,539	647	34%	\$38,117
Automotive Parts and Accessories Stores	2,390	2,992	602	25%	\$26,380
Plastics Bag and Pouch Manufacturing	1,591	2,174	584	37%	\$76,988
Women's Clothing Stores	1,085	1,634	549	51%	\$15,854
Software Publishers	1,065	1,606	541	51%	\$81,425
Offices of Physical, Occupational and Speech Therapists, and Audiologists	1,424	1,959	535	38%	\$53,792

Report 2D: Most Competitive Industries

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2015 Earnings Per Worker
All Other Plastics Product Manufacturing	1,719	(591)	422	(169)	1,888	\$52,389
Automobile Manufacturing	1,881	(463)	687	224	1,657	\$92,798
Discount Department Stores	1,400	(253)	357	104	1,296	\$19,771
Power and Communication Line and Related Structures Construction	1,460	271	165	436	1,024	\$74,177
Plumbing, Heating, and Air-Conditioning Contractors	1,881	452	475	927	954	\$47,612
Nonwoven Fabric Mills	1,584	542	108	650	933	\$67,406
Temporary Help Services	10,269	5,966	3,435	9,401	868	\$31,239
Industrial Building Construction	1,154	93	257	350	804	\$112,044
Poultry Processing	1,103	(285)	587	302	801	\$37,886
Fabric Coating Mills	913	108	41	149	764	\$58,708
Nursing Care Facilities (Skilled Nursing Facilities)	1,677	225	707	932	745	\$35,408
Motor Vehicle Transmission and Power Train Parts Manufacturing	902	84	123	207	695	\$71,080
Engineering Services	1,610	381	562	943	667	\$100,115
Sales Financing	749	(47)	152	105	644	\$56,825
Specialized Freight (except Used Goods) Trucking, Long-Distance	835	104	108	212	623	\$56,950
Specialty (except Psychiatric and Substance Abuse) Hospitals	1,168	448	139	587	581	\$51,018
Employment Placement Agencies	853	45	270	315	537	\$26,739
Testing Laboratories	773	118	130	248	526	\$85,657
Real Estate Credit	379	(261)	124	(137)	516	\$65,602
Offices of Physicians (except Mental Health Specialists)	2,490	900	1,084	1,984	506	\$108,735
Colleges, Universities, and Professional Schools	1,996	749	746	1,495	500	\$47,964
Other Individual and Family Services	731	151	108	259	472	\$33,586
Hospitals (Local Government)	1,661	(878)	2,070	1,192	469	\$70,127
Security Guards and Patrol Services	976	215	299	514	462	\$22,992

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2015 Earnings Per Worker
Motor Vehicle Seating and Interior Trim Manufacturing	773	219	132	351	422	\$65,010
Wireless Telecommunications Carriers (except Satellite)	675	43	214	257	418	\$65,605
Knit Fabric Mills	269	(183)	35	(148)	417	\$33,506
Home Health Care Services	1,652	919	329	1,248	404	\$31,195
Automotive Parts and Accessories Stores	602	(56)	258	202	400	\$26,380
Softwood Veneer and Plywood Manufacturing	450	20	52	72	378	\$67,144
Fitness and Recreational Sports Centers	863	93	415	508	355	\$13,462
Pharmacies and Drug Stores	743	(1)	399	398	345	\$44,162
Storage Battery Manufacturing	346	(64)	75	11	334	\$78,925
All Other Converted Paper Product Manufacturing	356	(57)	79	22	333	\$70,599
Women's Clothing Stores	549	99	117	216	333	\$15,854
Office Equipment Merchant Wholesalers	262	(153)	84	(69)	331	\$91,446
Other Gasoline Stations	201	(216)	95	(121)	322	\$24,015
Wired Telecommunications Carriers	177	(457)	314	(143)	320	\$73,903
Offices of Dentists	1,005	239	448	687	318	\$62,807
Ball and Roller Bearing Manufacturing	96	(398)	214	(184)	281	\$69,636
Software Publishers	541	148	115	263	278	\$81,425
Power-Driven Handtool Manufacturing	(8)	(370)	87	(283)	274	\$80,180
Home Centers	1,020	357	394	751	269	\$29,198
Other Electronic Parts and Equipment Merchant Wholesalers	123	(252)	106	(146)	269	\$70,357
Animal (except Poultry) Slaughtering	325	(118)	177	59	266	\$34,393
Motor Vehicle Supplies and New Parts Merchant Wholesalers	259	(76)	87	11	248	\$53,858
Furniture Stores	288	(94)	135	41	247	\$40,905
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	426	(9)	188	179	247	\$55,021
Drugs and Druggists' Sundries Merchant Wholesalers	235	(43)	35	(8)	243	\$58,467
Services for the Elderly and Persons with Disabilities	1,431	864	327	1,191	241	\$16,345



Report 2E: Highest Industry Cluster Industries

Industry	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2015 Earnings Per Worker
Surface Active Agent Manufacturing	919	834	(9%)	43.11	43.55	1%	\$90,555
Broadwoven Fabric Mills	4,562	531	(88%)	37.30	13.75	(63%)	\$46,764
Turbine and Turbine Generator Set Units Manufacturing	3,551	4,081	15%	28.03	27.68	(1%)	\$113,974
Power-Driven Handtool Manufacturing	811	802	(1%)	22.24	33.71	52%	\$80,180
Fiber Optic Cable Manufacturing	793	895	13%	21.54	26.95	25%	\$87,392
Household Refrigerator and Home Freezer Manufacturing	1,141	761	(33%)	18.24	13.03	(29%)	\$56,143
Tire Manufacturing (except Retreading)	3,559	3,339	(6%)	17.54	17.36	(1%)	\$71,955
Nonwoven Fabric Mills	1,006	2,590	157%	16.82	26.24	56%	\$67,406
Ball and Roller Bearing Manufacturing	1,985	2,081	5%	16.44	18.97	15%	\$69,636
Narrow Fabric Mills and Schiffli Machine Embroidery	572	930	62%	16.01	21.34	33%	\$43,943
Textile and Fabric Finishing Mills	1,753	326	(81%)	15.68	6.60	(58%)	\$50,251
Totalizing Fluid Meter and Counting Device Manufacturing	640	543	(15%)	14.59	15.06	3%	\$77,937
Artificial and Synthetic Fibers and Filaments Manufacturing	1,520	900	(41%)	13.44	9.52	(29%)	\$80,918
Plastics Bag and Pouch Manufacturing	1,591	2,174	37%	11.77	12.88	9%	\$76,988
Storage Battery Manufacturing	696	1,042	50%	11.32	16.63	47%	\$78,925
Plastics Packaging Film and Sheet (including Laminated) Manufacturing	909	1,385	52%	11.31	11.27	0%	\$109,433
All Other Converted Paper Product Manufacturing	737	1,093	48%	10.98	15.75	44%	\$70,599
Automobile Manufacturing	6,379	8,260	29%	10.82	13.51	25%	\$92,798
Fluid Power Pump and Motor Manufacturing	906	1,034	14%	10.59	11.56	9%	\$74,579
Knit Fabric Mills	322	591	83%	10.13	34.28	238%	\$33,506
Fabric Coating Mills	384	1,297	238%	10.11	24.56	143%	\$58,708
Photographic Film, Paper, Plate, and Chemical Manufacturing	558	107	(81%)	9.59	7.91	(18%)	\$82,886
Rendering and Meat Byproduct Processing	300	435	45%	8.53	11.80	38%	\$49,584
Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	620	344	(45%)	8.21	5.83	(29%)	\$79,491
Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	2,265	1,990	(12%)	8.20	7.06	(14%)	\$74,423

Industry	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2015 Earnings Per Worker
Relay and Industrial Control Manufacturing	1,680	1,724	3%	8.18	8.38	3%	\$75,140
Cutting Tool and Machine Tool Accessory Manufacturing	930	946	2%	8.04	8.38	4%	\$61,328
Softwood Veneer and Plywood Manufacturing	487	936	92%	7.92	13.25	67%	\$67,144
Fiber, Yarn, and Thread Mills	945	726	(23%)	7.55	6.20	(18%)	\$45,033
Carpet and Rug Mills	1,030	651	(37%)	7.34	5.86	(20%)	\$57,630
Packaging Machinery Manufacturing	609	618	1%	6.97	6.38	(9%)	\$73,516
Synthetic Dye and Pigment Manufacturing	415	171	(59%)	6.96	3.65	(48%)	\$95,604
Nuclear Electric Power Generation	1,445	1,479	2%	6.95	7.51	8%	\$153,309
Railroad Rolling Stock Manufacturing	847	776	(8%)	6.82	5.78	(15%)	\$73,628
Hospitals (Local Government)	19,208	20,868	9%	6.80	6.95	2%	\$70,127
Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	394	303	(23%)	6.51	4.96	(24%)	\$85,665
Residential Electric Lighting Fixture Manufacturing	238	229	(4%)	6.33	8.35	32%	\$128,868
Poultry Processing	5,448	6,550	20%	5.66	6.43	14%	\$37,886
Crushed and Broken Granite Mining and Quarrying	112	59	(48%)	5.59	2.56	(54%)	\$67,304
Broom, Brush, and Mop Manufacturing	215	191	(11%)	5.51	6.07	10%	\$59,839
Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	861	873	1%	5.42	5.33	(2%)	\$55,720
All Other Miscellaneous Chemical Product and Preparation Manufacturing	910	942	4%	5.40	5.02	(7%)	\$205,993
Photographic and Photocopying Equipment Manufacturing	178	194	9%	5.38	19.04	254%	\$85,943
Carbon and Graphite Product Manufacturing	165	127	(23%)	5.22	3.88	(26%)	\$72,916
Pottery, Ceramics, and Plumbing Fixture Manufacturing	420	127	(70%)	5.02	2.00	(60%)	\$60,325
Plastics Material and Resin Manufacturing	1,238	1,214	(2%)	4.99	4.69	(6%)	\$88,659
Other Communication and Energy Wire Manufacturing	274	351	28%	4.83	5.39	12%	\$82,330
Motor Vehicle Metal Stamping	1,716	1,970	15%	4.74	5.19	9%	\$75,737
Other Pressed and Blown Glass and Glassware Manufacturing	350	335	(4%)	4.58	6.58	44%	\$88,064
Apparel Accessories and Other Apparel Manufacturing	234	281	20%	4.50	7.39	64%	\$43,045

REPORT #3 – SUMMARY OF CLUSTERS AND DRIVERS BY REGION

Ranked only by projected location quotient in 2025 (number in parentheses is location quotient), the top industry clusters and drivers included:

- Textiles (4.85)
 - Broadwoven Fabric Mills (13.75)
 - Nonwoven Fabric Mills (26.24)
 - Narrow Fabric and Schiffli Machine Embroidery Manufacturing (18.97)
 - Textile and Fabric Finishing Mills (6.60)
 - Artificial and Synthetic Fibers and Filaments Manufacturing (9.52)
 - Knit Fabric Mills (34.28)
 - Fabric Coating Mills (24.56)
 - Fiber, Yarn, and Thread Mills (6.20)
 - Carpet and Rug Mills (5.86)
 - Apparel Accessories and Other Apparel Manufacturing (7.39)
- Chemicals, Rubber, and Plastics (2.79)
 - Surface Active Agent Manufacturing (43.55)
 - Tire Manufacturing (17.36)
 - Plastics Bag and Pouch Manufacturing (12.88)
 - Plastics Packaging Film and Sheet Manufacturing (11.27)
 - Photographic Film, Paper, Plate, and Chemical Manufacturing (7.91)
 - Synthetic Dye and Pigment Manufacturing (3.65)
 - All Other Miscellaneous Chemical Product Manufacturing (5.02)
 - Carbon and Graphite Product Manufacturing (3.88)
 - Plastics Material and Resin Manufacturing (4.69)
 - Other Pressed and Blown Glass and Glassware (6.58)
- Metal and Metal Fabricating (2.30)
 - Turbine and Turbine Generator Set Units Manufacturing (27.68)
 - Power-Driven Handtool Manufacturing (33.71)
 - Fiber Optic Cable Manufacturing (26.95)
 - Household Refrigerator and Home Freezer Manufacturing (13.03)
 - Ball and Roller Bearing Manufacturing (18.97)
 - Totalizing Fluid Meter and Counting Device Manufacturing (15.06)
 - Storage Battery Manufacturing (16.63)
 - Automobile Manufacturing (13.51)
 - Fluid Power Pump and Motor Manufacturing (11.56)
 - Capacitor, Resistor, Coil, and Transformer Manufacturing (5.83)
 - Motor Vehicle Gasoline Engine and Engine Parts Manufacturing (7.06)
 - Relay and Industrial Control Manufacturing (8.38)
 - Cutting Tool and Machine Tool Accessory Manufacturing (8.38)
 - Packaging Machinery Manufacturing (6.38)
 - Railroad Rolling Stock Manufacturing (5.78)
 - Speed Changer and Industrial High-Speed Drive Manufacturing (4.96)
 - Residential Electric Lighting Fixture Manufacturing (8.35)
 - Motor Vehicle Steering and Suspension Components Manufacturing (5.33)
 - Other Communication and Energy Wire Manufacturing (5.39)
 - Motor Vehicle Metal Stamping (5.19)

- Lumber and Wood Products (1.75)
 - All Other Converted Paper Product Manufacturing (15.75)
 - Softwood Veneer and Plywood Manufacturing (13.25)
- Food Processing (1.60)
 - Rendering and Meat Byproduct Processing (11.80)
 - Poultry Processing (6.43)
- Business Services (1.22)

There are several sectors, which have a concentration of employment that is only slightly higher or slightly lower than the national average. However, they are larger sectors that are expected to generate good growth numbers over the period being examined. They need to be considered among the priority industries because of their contribution to job growth. They are listed below along with location quotient for the cluster and the expected job growth for the cluster and drivers for the decade ahead.

- Retail (1.08, 6,717)
 - Discount Department Stores (1,400)
 - Warehouse Clubs and Supercenters (1,108)
 - Home Centers (1,020)
 - Automotive Parts and Accessories Stores (602)
 - Women's Clothing Stores (549)
- Construction (.95; 2,718)
 - Plumbing, Heating, and Air Conditioning Contractors (1,881)
 - Industrial Building Construction (1,154)
 - Residential Remodelers (647)
 - All Other Specialty Trade Contractors (1,001)
- Education (1.00, 6,590)
 - Elementary and Secondary Schools (2,845)
 - Colleges and Universities (1,996)
- Wholesale Trade (1.00; 1,982)
 - Wholesale Trade Agents and Brokers (1,109)
- Logistics and Transportation (1.00; 2,838)
 - Specialized Freight Trucking (835)
- Health Care (.87; 18,089)
 - Offices of Physicians (2,490)
 - Nursing Care Facilities (1,677)
 - Hospitals (Local Government) (1,661)



REPORT #4 – OCCUPATIONAL REPORT

Report 4A: Projected Occupational Openings

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
51-2092	Team Assemblers	26,638	29,414	2,776	10%	\$15.27	7,403
43-4051	Customer Service Representatives	14,743	16,899	2,156	15%	\$14.32	6,500
29-1141	Registered Nurses	11,936	13,949	2,013	17%	\$27.83	4,563
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,050	10,285	1,235	14%	\$19.02	3,084
11-1021	General and Operations Managers	9,453	10,458	1,005	11%	\$47.45	2,879
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,028	12,272	1,244	11%	\$14.87	2,666
43-1011	First-Line Supervisors of Office and Administrative Support Workers	6,686	7,523	837	13%	\$22.58	2,544
41-1011	First-Line Supervisors of Retail Sales Workers	7,438	8,060	622	8%	\$16.80	2,440
25-1099	Postsecondary Teachers	6,405	7,618	1,213	19%	\$31.91	2,279
25-2021	Elementary School Teachers, Except Special Education	5,959	6,763	804	13%	\$22.98	2,221
49-9071	Maintenance and Repair Workers, General	7,969	8,472	503	6%	\$18.15	2,165
13-2011	Accountants and Auditors	4,632	5,247	615	13%	\$31.19	2,133
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	6,711	7,347	636	9%	\$30.37	2,073
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,408	4,913	505	11%	\$14.54	1,864
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,195	5,720	525	10%	\$16.49	1,856
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,837	5,208	371	8%	\$24.01	1,746
51-4041	Machinists	4,468	4,998	530	12%	\$18.32	1,639
49-9041	Industrial Machinery Mechanics	3,339	3,837	498	15%	\$22.98	1,591
43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,502	8,309	807	11%	\$16.11	1,559
29-2061	Licensed Practical and Licensed Vocational Nurses	2,752	3,455	703	26%	\$18.16	1,487
43-5071	Shipping, Receiving, and Traffic Clerks	4,258	4,479	221	5%	\$14.64	1,429

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
49-3023	Automotive Service Technicians and Mechanics	3,942	4,183	241	6%	\$14.88	1,362
17-2141	Mechanical Engineers	2,613	2,920	307	12%	\$41.86	1,267
31-9092	Medical Assistants	2,558	3,155	597	23%	\$14.05	1,159
51-1011	First-Line Supervisors of Production and Operating Workers	5,515	5,607	92	2%	\$28.22	1,153
17-2112	Industrial Engineers	3,019	3,192	173	6%	\$38.21	1,138
41-3099	Sales Representatives, Services, All Other	1,893	2,420	527	28%	\$22.69	1,125
53-3033	Light Truck or Delivery Services Drivers	3,854	4,259	405	11%	\$15.07	1,067
33-3051	Police and Sheriff's Patrol Officers	2,993	3,077	84	3%	\$17.66	1,058
53-7051	Industrial Truck and Tractor Operators	3,021	3,272	251	8%	\$14.22	1,028
51-4121	Welders, Cutters, Solderers, and Brazers	2,851	3,066	215	8%	\$18.40	985
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,767	2,149	382	22%	\$18.65	935
47-2031	Carpenters	4,109	4,143	34	1%	\$15.33	924
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,322	2,662	340	15%	\$23.03	895
43-3011	Bill and Account Collectors	1,539	1,905	366	24%	\$15.22	861
47-2152	Plumbers, Pipefitters, and Steamfitters	1,808	2,366	558	31%	\$18.65	854
29-2041	Emergency Medical Technicians and Paramedics	1,609	1,961	352	22%	\$15.12	849
47-2111	Electricians	2,627	2,790	163	6%	\$19.32	845
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,223	2,429	206	9%	\$28.15	844
17-2051	Civil Engineers	1,678	2,044	366	22%	\$42.45	840
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,403	1,807	404	29%	\$18.22	836
43-3021	Billing and Posting Clerks	2,176	2,564	388	18%	\$15.46	832
43-6013	Medical Secretaries	1,512	2,083	571	38%	\$14.49	794
13-1071	Human Resources Specialists	1,892	2,276	384	20%	\$24.07	770
13-1161	Market Research Analysts and Marketing Specialists	1,671	2,166	495	30%	\$30.35	763
43-5061	Production, Planning, and Expediting Clerks	2,360	2,454	94	4%	\$18.87	753
15-1151	Computer User Support Specialists	2,111	2,495	384	18%	\$20.72	751
13-1111	Management Analysts	1,909	2,281	372	19%	\$32.11	703

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
49-9051	Electrical Power-Line Installers and Repairers	952	1,226	274	29%	\$27.12	678
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,922	3,006	84	3%	\$24.59	668
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,923	2,174	251	13%	\$34.26	662
29-1051	Pharmacists	1,481	1,741	260	18%	\$57.39	658
15-1121	Computer Systems Analysts	1,542	1,898	356	23%	\$34.22	631
31-9091	Dental Assistants	1,276	1,589	313	25%	\$16.92	620
41-3021	Insurance Sales Agents	2,069	2,153	84	4%	\$19.08	618
11-9111	Medical and Health Services Managers	1,289	1,541	252	20%	\$41.02	602
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	2,169	1,482	(687)	(32%)	\$14.06	577
51-3092	Food Batchmakers	1,418	1,442	24	2%	\$14.55	570
47-2073	Operating Engineers and Other Construction Equipment Operators	1,483	1,628	145	10%	\$16.73	551
29-1123	Physical Therapists	937	1,202	265	28%	\$39.98	544
11-9199	Managers, All Other	1,593	1,738	145	9%	\$22.18	528
33-2011	Firefighters	1,656	1,720	64	4%	\$15.31	528
51-9199	Production Workers, All Other	599	919	320	53%	\$17.63	527
11-9033	Education Administrators, Postsecondary	1,260	1,416	156	12%	\$38.15	516
23-1011	Lawyers	1,799	1,932	133	7%	\$56.37	515
11-3031	Financial Managers	1,421	1,643	222	16%	\$55.07	512
29-2021	Dental Hygienists	820	1,075	255	31%	\$28.80	507
15-1132	Software Developers, Applications	1,123	1,457	334	30%	\$41.12	504
33-3012	Correctional Officers and Jailers	1,730	1,685	(45)	(3%)	\$14.79	501
13-2072	Loan Officers	1,245	1,479	234	19%	\$30.77	499
51-9197	Tire Builders	1,650	1,487	(163)	(10%)	\$22.62	481
29-1069	Physicians and Surgeons, All Other	912	1,112	200	22%	\$78.66	470
11-2022	Sales Managers	1,315	1,481	166	13%	\$47.02	467
27-2022	Coaches and Scouts	950	1,093	143	15%	\$24.23	461

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
39-9031	Fitness Trainers and Aerobics Instructors	1,229	1,511	282	23%	\$15.73	453
21-1012	Educational, Guidance, School, and Vocational Counselors	1,377	1,512	135	10%	\$23.61	444
13-1199	Business Operations Specialists, All Other	649	971	322	50%	\$30.46	436
43-5032	Dispatchers, Except Police, Fire, and Ambulance	943	1,079	136	14%	\$17.76	431
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,493	1,639	146	10%	\$21.47	422
43-5052	Postal Service Mail Carriers	1,331	1,103	(228)	(17%)	\$24.46	417
13-1051	Cost Estimators	774	911	137	18%	\$27.00	414
29-1062	Family and General Practitioners	1,208	1,275	67	6%	\$94.24	408
15-1142	Network and Computer Systems Administrators	1,506	1,657	151	10%	\$28.71	407
11-9032	Education Administrators, Elementary and Secondary School	1,140	1,225	85	7%	\$39.05	403
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,050	1,204	154	15%	\$18.56	400
11-9021	Construction Managers	1,455	1,367	(88)	(6%)	\$28.80	396
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	876	1,003	127	14%	\$21.84	391
29-2011	Medical and Clinical Laboratory Technologists	952	1,070	118	12%	\$25.18	387
11-1011	Chief Executives	1,383	1,449	66	5%	\$69.77	381
29-2071	Medical Records and Health Information Technicians	761	914	153	20%	\$16.80	378
21-1021	Child, Family, and School Social Workers	1,135	1,251	116	10%	\$15.62	378
11-3051	Industrial Production Managers	1,469	1,503	34	2%	\$49.65	374
11-9041	Architectural and Engineering Managers	877	993	116	13%	\$60.68	354
43-6011	Executive Secretaries and Executive Administrative Assistants	1,546	1,699	153	10%	\$22.47	353
49-9052	Telecommunications Line Installers and Repairers	560	737	177	32%	\$18.01	351
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,020	1,214	194	19%	\$14.73	349
29-2012	Medical and Clinical Laboratory Technicians	576	748	172	30%	\$18.57	349
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	846	935	89	11%	\$25.13	349
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	968	953	(15)	(2%)	\$18.20	347
41-1012	First-Line Supervisors of Non-Retail Sales Workers	1,767	1,833	66	4%	\$25.06	344

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
43-4131	Loan Interviewers and Clerks	1,432	1,657	225	16%	\$14.75	339
51-2022	Electrical and Electronic Equipment Assemblers	1,340	1,486	146	11%	\$17.70	330
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1,032	1,153	121	12%	\$29.33	321
23-2011	Paralegals and Legal Assistants	922	1,066	144	16%	\$23.44	315
15-1131	Computer Programmers	739	828	89	12%	\$34.44	298
13-1151	Training and Development Specialists	793	927	134	17%	\$26.39	293
11-3011	Administrative Services Managers	955	1,081	126	13%	\$37.93	293
25-2012	Kindergarten Teachers, Except Special Education	666	756	90	14%	\$22.51	291
25-3021	Self-Enrichment Education Teachers	938	1,012	74	8%	\$18.22	290
29-1021	Dentists, General	635	736	101	16%	\$87.17	288
27-1024	Graphic Designers	896	899	3	0%	\$18.68	287
51-5112	Printing Press Operators	1,123	1,159	36	3%	\$17.41	286
31-2021	Physical Therapist Assistants	549	687	138	25%	\$25.64	285
51-2041	Structural Metal Fabricators and Fitters	609	622	13	2%	\$16.88	284
29-2034	Radiologic Technologists	793	943	150	19%	\$22.14	274
17-2071	Electrical Engineers	638	753	115	18%	\$40.81	273
51-8031	Water and Wastewater Treatment Plant and System Operators	615	660	45	7%	\$19.45	272
15-1133	Software Developers, Systems Software	586	768	182	31%	\$35.63	271
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	869	885	16	2%	\$14.11	271
13-2052	Personal Financial Advisors	803	920	117	15%	\$49.58	271
41-3031	Securities, Commodities, and Financial Services Sales Agents	582	679	97	17%	\$43.56	266
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	705	715	10	1%	\$17.86	265
43-3051	Payroll and Timekeeping Clerks	678	779	101	15%	\$18.26	265
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	833	908	75	9%	\$20.56	264
11-9141	Property, Real Estate, and Community Association Managers	784	848	64	8%	\$23.65	263
11-3021	Computer and Information Systems Managers	822	957	135	16%	\$49.16	260

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
11-3121	Human Resources Managers	606	693	87	14%	\$43.92	260
49-3021	Automotive Body and Related Repairers	769	833	64	8%	\$16.80	254
21-1022	Healthcare Social Workers	536	658	122	23%	\$22.12	252
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	990	1,127	137	14%	\$18.10	245
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	722	735	13	2%	\$21.06	242
43-3061	Procurement Clerks	556	584	28	5%	\$16.39	236
51-9011	Chemical Equipment Operators and Tenders	595	566	(29)	(5%)	\$18.51	232
29-1171	Nurse Practitioners	411	541	130	32%	\$42.01	225
29-1122	Occupational Therapists	583	712	129	22%	\$39.44	223
27-3031	Public Relations Specialists	750	861	111	15%	\$22.11	223
51-8091	Chemical Plant and System Operators	708	520	(188)	(27%)	\$20.22	221
29-1131	Veterinarians	352	435	83	24%	\$39.41	217
19-4031	Chemical Technicians	436	508	72	17%	\$20.44	216
11-2021	Marketing Managers	462	565	103	22%	\$50.09	214
13-2051	Financial Analysts	382	478	96	25%	\$33.65	211
47-2211	Sheet Metal Workers	427	540	113	26%	\$17.60	211
39-1021	First-Line Supervisors of Personal Service Workers	659	714	55	8%	\$14.37	210
31-9011	Massage Therapists	510	652	142	28%	\$14.32	206
29-1126	Respiratory Therapists	578	689	111	19%	\$24.94	204
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	660	706	46	7%	\$19.99	202
29-2081	Opticians, Dispensing	354	433	79	22%	\$14.89	199
43-4151	Order Clerks	504	559	55	11%	\$15.73	197
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	574	623	49	9%	\$17.05	196
25-3099	Teachers and Instructors, All Other	518	587	69	13%	\$20.83	196
13-1041	Compliance Officers	706	763	57	8%	\$25.46	195
11-9051	Food Service Managers	822	831	9	1%	\$18.07	195
25-2052	Special Education Teachers, Kindergarten and Elementary	702	771	69	10%	\$23.51	195

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
	School						
33-9099	Protective Service Workers, All Other	215	249	34	16%	\$15.86	194
25-4021	Librarians	595	644	49	8%	\$24.29	189
49-9044	Millwrights	477	581	104	22%	\$23.26	187
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	715	702	(13)	(2%)	\$18.51	186
51-4111	Tool and Die Makers	987	1,044	57	6%	\$25.12	186
51-9196	Paper Goods Machine Setters, Operators, and Tenders	767	817	50	7%	\$20.42	185
33-1012	First-Line Supervisors of Police and Detectives	562	572	10	2%	\$25.19	182
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	796	563	(233)	(29%)	\$18.44	177
43-9199	Office and Administrative Support Workers, All Other	265	349	84	32%	\$14.63	177
41-9022	Real Estate Sales Agents	1,576	1,500	(76)	(5%)	\$19.00	176
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	509	556	47	9%	\$17.30	173
29-1127	Speech-Language Pathologists	426	523	97	23%	\$33.87	173
13-1081	Logisticians	500	607	107	21%	\$30.79	172
15-1134	Web Developers	318	427	109	34%	\$25.31	169
13-1022	Wholesale and Retail Buyers, Except Farm Products	448	495	47	10%	\$26.24	169
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	476	516	40	8%	\$17.32	168
15-1152	Computer Network Support Specialists	780	816	36	5%	\$26.05	168
17-3026	Industrial Engineering Technicians	637	629	(8)	(1%)	\$23.51	167
21-1015	Rehabilitation Counselors	449	509	60	13%	\$15.89	166
17-2072	Electronics Engineers, Except Computer	331	413	82	25%	\$39.44	166
17-3023	Electrical and Electronics Engineering Technicians	445	508	63	14%	\$23.40	165
43-5031	Police, Fire, and Ambulance Dispatchers	465	490	25	5%	\$14.25	165
49-9043	Maintenance Workers, Machinery	510	588	78	15%	\$20.16	158
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	335	346	11	3%	\$23.88	157
29-1071	Physician Assistants	240	339	99	41%	\$44.40	154

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	483	579	96	20%	\$15.81	151
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	226	311	85	38%	\$17.69	151
25-2054	Special Education Teachers, Secondary School	596	639	43	7%	\$24.42	150
13-2041	Credit Analysts	271	340	69	25%	\$32.70	148
11-3071	Transportation, Storage, and Distribution Managers	382	432	50	13%	\$41.87	147
27-1026	Merchandise Displayers and Window Trimmers	302	357	55	18%	\$14.82	147
19-2031	Chemists	330	361	31	9%	\$34.28	146
49-9099	Installation, Maintenance, and Repair Workers, All Other	361	436	75	21%	\$16.32	145
29-2055	Surgical Technologists	430	527	97	23%	\$17.83	145
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	565	598	33	6%	\$17.36	144
31-9094	Medical Transcriptionists	326	398	72	22%	\$15.25	143
41-3011	Advertising Sales Agents	368	371	3	1%	\$22.38	138
17-3027	Mechanical Engineering Technicians	392	439	47	12%	\$25.78	138
51-2031	Engine and Other Machine Assemblers	342	416	74	22%	\$17.48	135
31-2011	Occupational Therapy Assistants	215	281	66	31%	\$28.78	133
25-9031	Instructional Coordinators	627	702	75	12%	\$24.77	133
11-9151	Social and Community Service Managers	250	322	72	29%	\$28.75	133
15-1141	Database Administrators	394	444	50	13%	\$37.61	130
25-2032	Career/Technical Education Teachers, Secondary School	356	380	24	7%	\$24.07	128
13-2082	Tax Preparers	386	420	34	9%	\$16.66	127
13-2031	Budget Analysts	251	272	21	8%	\$25.94	126
47-4011	Construction and Building Inspectors	318	359	41	13%	\$19.05	126
27-3041	Editors	316	331	15	5%	\$22.89	125
21-1091	Health Educators	292	333	41	14%	\$23.55	124
49-2011	Computer, Automated Teller, and Office Machine Repairers	372	406	34	9%	\$15.43	122
49-9062	Medical Equipment Repairers	200	258	58	29%	\$18.69	122
29-2032	Diagnostic Medical Sonographers	221	303	82	37%	\$28.80	120

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
19-3031	Clinical, Counseling, and School Psychologists	283	311	28	10%	\$26.85	120
17-1011	Architects, Except Landscape and Naval	381	371	(10)	(3%)	\$32.97	120
13-1121	Meeting, Convention, and Event Planners	241	322	81	34%	\$17.45	120
27-1021	Commercial and Industrial Designers	365	365	0	0%	\$34.67	119
49-3011	Aircraft Mechanics and Service Technicians	433	325	(108)	(25%)	\$21.40	118
17-2199	Engineers, All Other	199	268	69	35%	\$43.51	117
13-1031	Claims Adjusters, Examiners, and Investigators	449	433	(16)	(4%)	\$27.65	117
43-9041	Insurance Claims and Policy Processing Clerks	311	338	27	9%	\$17.80	117
45-4022	Logging Equipment Operators	471	451	(20)	(4%)	\$15.60	115
51-7011	Cabinetmakers and Bench Carpenters	571	565	(6)	(1%)	\$15.31	114
29-2031	Cardiovascular Technologists and Technicians	313	377	64	20%	\$20.05	113
51-2091	Fiberglass Laminators and Fabricators	372	408	36	10%	\$14.96	108
43-4031	Court, Municipal, and License Clerks	504	527	23	5%	\$15.53	107
21-1014	Mental Health Counselors	171	233	62	36%	\$20.14	106
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	171	221	50	29%	\$22.52	106
47-2221	Structural Iron and Steel Workers	171	209	38	22%	\$19.72	106
43-6012	Legal Secretaries	579	598	19	3%	\$18.64	104
29-1063	Internists, General	257	286	29	11%	\$97.11	103
29-9011	Occupational Health and Safety Specialists	261	283	22	8%	\$23.20	102
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	330	356	26	8%	\$22.84	102
17-3022	Civil Engineering Technicians	288	321	33	11%	\$18.07	101
15-1199	Computer Occupations, All Other	225	278	53	24%	\$32.15	101
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	757	727	(30)	(4%)	\$16.53	100
15-1143	Computer Network Architects	280	328	48	17%	\$43.72	100
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	278	280	2	1%	\$19.06	99
29-2057	Ophthalmic Medical Technicians	297	357	60	20%	\$16.18	96

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
29-1011	Chiropractors	188	238	50	27%	\$41.16	96
21-1023	Mental Health and Substance Abuse Social Workers	231	272	41	18%	\$17.97	95
35-1011	Chefs and Head Cooks	376	397	21	6%	\$14.98	95
41-9011	Demonstrators and Product Promoters	139	180	41	29%	\$14.21	94
29-1067	Surgeons	185	223	38	21%	\$106.69	94
27-3091	Interpreters and Translators	170	232	62	36%	\$18.56	92
15-1122	Information Security Analysts	179	237	58	32%	\$31.57	91
15-2031	Operations Research Analysts	133	186	53	40%	\$31.88	90
19-4099	Life, Physical, and Social Science Technicians, All Other	79	127	48	61%	\$16.34	90
17-3013	Mechanical Drafters	416	441	25	6%	\$31.68	88
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	353	353	0	0%	\$16.95	87
19-4091	Environmental Science and Protection Technicians, Including Health	107	143	36	34%	\$25.86	87
47-4021	Elevator Installers and Repairers	130	190	60	46%	\$23.38	87
11-3061	Purchasing Managers	244	273	29	12%	\$46.89	86
43-4199	Information and Record Clerks, All Other	207	244	37	18%	\$15.64	86
49-2098	Security and Fire Alarm Systems Installers	304	324	20	7%	\$17.76	86
17-2081	Environmental Engineers	184	219	35	19%	\$34.72	86
43-9021	Data Entry Keyers	731	666	(65)	(9%)	\$14.04	85
19-2041	Environmental Scientists and Specialists, Including Health	117	159	42	36%	\$31.06	84
33-1099	First-Line Supervisors of Protective Service Workers, All Other	150	194	44	29%	\$21.50	84
13-2099	Financial Specialists, All Other	265	316	51	19%	\$22.39	83
29-1041	Optometrists	144	168	24	17%	\$49.23	82
27-2012	Producers and Directors	216	212	(4)	(2%)	\$26.31	82
51-9022	Grinding and Polishing Workers, Hand	179	199	20	11%	\$14.30	81
51-9122	Painters, Transportation Equipment	227	253	26	11%	\$21.79	81
29-2099	Health Technologists and Technicians, All Other	201	257	56	28%	\$23.84	80
49-9012	Control and Valve Installers and Repairers, Except Mechanical	176	193	17	10%	\$23.50	80

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
	Door						
25-2053	Special Education Teachers, Middle School	290	317	27	9%	\$23.30	80
13-1141	Compensation, Benefits, and Job Analysis Specialists	277	302	25	9%	\$25.98	79
21-1011	Substance Abuse and Behavioral Disorder Counselors	173	209	36	21%	\$16.51	78
29-1031	Dietitians and Nutritionists	249	292	43	17%	\$23.16	78
47-2132	Insulation Workers, Mechanical	80	140	60	75%	\$18.35	75
11-9031	Education Administrators, Preschool and Childcare Center/Program	177	192	15	8%	\$24.05	74
19-4021	Biological Technicians	101	138	37	37%	\$18.25	74
17-2041	Chemical Engineers	251	255	4	2%	\$40.77	74
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	274	280	6	2%	\$16.03	73
43-5041	Meter Readers, Utilities	308	269	(39)	(13%)	\$15.65	72
11-9081	Lodging Managers	189	196	7	4%	\$21.79	71
31-9099	Healthcare Support Workers, All Other	97	143	46	47%	\$18.93	70
49-3041	Farm Equipment Mechanics and Service Technicians	152	172	20	13%	\$15.40	69
41-9031	Sales Engineers	179	213	34	19%	\$38.97	69
27-3042	Technical Writers	101	132	31	31%	\$31.81	69
11-2031	Public Relations and Fundraising Managers	157	188	31	20%	\$38.08	68
21-2011	Clergy	138	174	36	26%	\$21.18	68
31-9093	Medical Equipment Preparers	193	221	28	15%	\$14.55	68
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	255	254	(1)	(0%)	\$21.46	66
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	183	191	8	4%	\$30.54	65
17-3029	Engineering Technicians, Except Drafters, All Other	114	151	37	32%	\$26.82	65
39-4031	Morticians, Undertakers, and Funeral Directors	165	185	20	12%	\$20.32	64
29-1151	Nurse Anesthetists	132	165	33	25%	\$76.50	63
47-2151	Pipelayers	378	364	(14)	(4%)	\$15.83	63
51-9083	Ophthalmic Laboratory Technicians	114	132	18	16%	\$14.21	63

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
51-3093	Food Cooking Machine Operators and Tenders	140	155	15	11%	\$15.91	62
19-1042	Medical Scientists, Except Epidemiologists	62	105	43	69%	\$30.32	62
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	186	202	16	9%	\$14.17	62
17-1022	Surveyors	202	214	12	6%	\$28.01	61
27-4011	Audio and Video Equipment Technicians	174	199	25	14%	\$15.98	60
17-3031	Surveying and Mapping Technicians	221	233	12	5%	\$20.22	60
53-3099	Motor Vehicle Operators, All Other	74	108	34	46%	\$16.02	60
13-2021	Appraisers and Assessors of Real Estate	424	429	5	1%	\$19.78	59
11-3131	Training and Development Managers	149	166	17	11%	\$61.59	59
27-2042	Musicians and Singers	193	146	(47)	(24%)	\$16.44	58
19-2042	Geoscientists, Except Hydrologists and Geographers	118	138	20	17%	\$26.23	58
47-2044	Tile and Marble Setters	215	202	(13)	(6%)	\$14.95	58
27-3043	Writers and Authors	229	202	(27)	(12%)	\$20.20	57
29-1061	Anesthesiologists	102	126	24	24%	\$105.16	57
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	140	137	(3)	(2%)	\$14.39	57
17-3011	Architectural and Civil Drafters	315	317	2	1%	\$23.35	57
51-9191	Adhesive Bonding Machine Operators and Tenders	80	112	32	40%	\$14.93	56
13-1131	Fundraisers	79	115	36	46%	\$21.57	56
33-9021	Private Detectives and Investigators	95	119	24	25%	\$19.02	56
21-1099	Community and Social Service Specialists, All Other	61	96	35	57%	\$19.75	56
21-1094	Community Health Workers	81	110	29	36%	\$25.94	55
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	207	220	13	6%	\$21.61	55
51-5113	Print Binding and Finishing Workers	177	192	15	8%	\$15.75	55
43-4041	Credit Authorizers, Checkers, and Clerks	179	209	30	17%	\$14.38	55
43-4141	New Accounts Clerks	160	156	(4)	(3%)	\$15.96	54
13-2053	Insurance Underwriters	196	174	(22)	(11%)	\$24.90	54
43-5011	Cargo and Freight Agents	141	143	2	1%	\$19.86	54

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
33-3021	Detectives and Criminal Investigators	227	228	1	0%	\$28.71	54
53-7021	Crane and Tower Operators	63	90	27	43%	\$22.44	53
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	117	142	25	21%	\$17.24	53
49-9011	Mechanical Door Repairers	60	87	27	45%	\$16.38	52
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	122	125	3	2%	\$16.02	52
19-3051	Urban and Regional Planners	90	98	8	9%	\$27.09	50
15-2041	Statisticians	89	108	19	21%	\$29.84	50
17-2161	Nuclear Engineers	143	150	7	5%	\$47.04	49
17-2131	Materials Engineers	108	114	6	6%	\$38.37	48
47-2121	Glaziers	107	121	14	13%	\$14.77	48
29-2035	Magnetic Resonance Imaging Technologists	140	166	26	19%	\$28.79	48
21-1029	Social Workers, All Other	139	155	16	12%	\$22.14	48
13-2071	Credit Counselors	107	132	25	23%	\$18.28	48
27-1025	Interior Designers	163	139	(24)	(15%)	\$17.54	47
17-3012	Electrical and Electronics Drafters	133	158	25	19%	\$30.01	46
53-7032	Excavating and Loading Machine and Dragline Operators	212	225	13	6%	\$19.99	45
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	142	147	5	4%	\$15.44	44
51-6099	Textile, Apparel, and Furnishings Workers, All Other	56	88	32	57%	\$15.95	44
51-8021	Stationary Engineers and Boiler Operators	92	105	13	14%	\$23.90	43
47-4041	Hazardous Materials Removal Workers	88	110	22	25%	\$21.04	43
43-4061	Eligibility Interviewers, Government Programs	123	139	16	13%	\$16.44	43
23-2093	Title Examiners, Abstractors, and Searchers	165	176	11	7%	\$18.38	42
25-9099	Education, Training, and Library Workers, All Other	80	113	33	41%	\$16.27	42
27-2041	Music Directors and Composers	137	137	0	0%	\$19.08	42
51-4199	Metal Workers and Plastic Workers, All Other	91	120	29	32%	\$14.52	41
51-5111	Prepress Technicians and Workers	123	124	1	1%	\$17.99	41

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
53-2012	Commercial Pilots	79	94	15	19%	\$40.22	41
21-1092	Probation Officers and Correctional Treatment Specialists	156	150	(6)	(4%)	\$20.34	40
17-2061	Computer Hardware Engineers	75	95	20	27%	\$46.76	40
29-9099	Healthcare Practitioners and Technical Workers, All Other	49	72	23	47%	\$22.41	40
49-9031	Home Appliance Repairers	128	114	(14)	(11%)	\$14.05	39
51-2023	Electromechanical Equipment Assemblers	119	141	22	18%	\$15.90	39
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	157	145	(12)	(8%)	\$24.64	38
29-1065	Pediatricians, General	64	81	17	27%	\$78.66	38
53-7199	Material Moving Workers, All Other	48	70	22	46%	\$16.09	38
17-2011	Aerospace Engineers	26	54	28	108%	\$47.31	38
53-6099	Transportation Workers, All Other	52	65	13	25%	\$15.78	37
19-4051	Nuclear Technicians	75	80	5	7%	\$31.91	37
29-9091	Athletic Trainers	59	76	17	29%	\$21.03	37
29-1064	Obstetricians and Gynecologists	83	94	11	13%	\$96.96	37
47-2041	Carpet Installers	138	131	(7)	(5%)	\$14.50	36
27-3022	Reporters and Correspondents	117	82	(35)	(30%)	\$20.69	36
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	88	96	8	9%	\$16.63	36
11-9039	Education Administrators, All Other	86	95	9	10%	\$32.20	36
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	163	149	(14)	(9%)	\$16.03	35
33-1011	First-Line Supervisors of Correctional Officers	96	93	(3)	(3%)	\$24.20	35
51-9081	Dental Laboratory Technicians	81	80	(1)	(1%)	\$16.95	35
47-2131	Insulation Workers, Floor, Ceiling, and Wall	202	140	(62)	(31%)	\$15.31	35
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	73	84	11	15%	\$17.47	35
47-2011	Boilermakers	40	53	13	33%	\$23.61	34
23-1023	Judges, Magistrate Judges, and Magistrates	214	205	(9)	(4%)	\$35.33	34
43-5051	Postal Service Clerks	248	197	(51)	(21%)	\$23.42	33
51-8013	Power Plant Operators	106	98	(8)	(8%)	\$28.79	33

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
13-2081	Tax Examiners and Collectors, and Revenue Agents	95	93	(2)	(2%)	\$24.83	33
43-3099	Financial Clerks, All Other	47	63	16	34%	\$16.02	32
49-3022	Automotive Glass Installers and Repairers	74	83	9	12%	\$14.50	32
43-4011	Brokerage Clerks	99	102	3	3%	\$20.46	31
45-2091	Agricultural Equipment Operators	85	82	(3)	(4%)	\$14.04	31
47-2071	Paving, Surfacing, and Tamping Equipment Operators	121	125	4	3%	\$14.13	31
27-4021	Photographers	256	214	(42)	(16%)	\$15.47	30
49-3052	Motorcycle Mechanics	101	103	2	2%	\$15.21	30
19-4011	Agricultural and Food Science Technicians	43	54	11	26%	\$16.48	30
23-2091	Court Reporters	109	118	9	8%	\$24.22	30
21-1013	Marriage and Family Therapists	42	60	18	43%	\$20.15	29
49-9096	Riggers	53	68	15	28%	\$19.95	29
41-9021	Real Estate Brokers	232	223	(9)	(4%)	\$30.14	29
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	39	53	14	36%	\$23.89	29
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	94	99	5	5%	\$33.46	28
29-1124	Radiation Therapists	68	80	12	18%	\$37.13	28
47-4099	Construction and Related Workers, All Other	65	75	10	15%	\$16.94	28
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	41	61	20	49%	\$21.35	28
11-9121	Natural Sciences Managers	41	59	18	44%	\$51.51	28
27-1011	Art Directors	94	77	(17)	(18%)	\$21.89	28
11-9061	Funeral Service Managers	71	80	9	13%	\$33.98	28
33-9093	Transportation Security Screeners	96	99	3	3%	\$17.88	28
51-4194	Tool Grinders, Filers, and Sharpeners	84	93	9	11%	\$17.03	28
29-1066	Psychiatrists	52	63	11	21%	\$81.44	27
11-2011	Advertising and Promotions Managers	55	62	7	13%	\$33.63	27
13-2061	Financial Examiners	51	63	12	24%	\$34.80	27
17-3025	Environmental Engineering Technicians	47	61	14	30%	\$27.90	27

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
27-3011	Radio and Television Announcers	122	101	(21)	(17%)	\$18.77	27
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	340	288	(52)	(15%)	\$23.60	26
51-9082	Medical Appliance Technicians	61	62	1	2%	\$17.93	26
47-2171	Reinforcing Iron and Rebar Workers	106	95	(11)	(10%)	\$19.31	26
21-2021	Directors, Religious Activities and Education	33	45	12	36%	\$26.91	25
51-8011	Nuclear Power Reactor Operators	67	66	(1)	(1%)	\$38.08	25
19-4061	Social Science Research Assistants	29	40	11	38%	\$17.28	25
43-2021	Telephone Operators	67	71	4	6%	\$14.64	25
19-4093	Forest and Conservation Technicians	60	59	(1)	(2%)	\$16.95	25
27-1014	Multimedia Artists and Animators	79	61	(18)	(23%)	\$18.00	24
47-2021	Brickmasons and Blockmasons	337	141	(196)	(58%)	\$16.45	24
21-1019	Counselors, All Other	38	52	14	37%	\$20.50	24
27-2032	Choreographers	46	53	7	15%	\$23.06	23
53-5021	Captains, Mates, and Pilots of Water Vessels	27	35	8	30%	\$29.47	23
49-9081	Wind Turbine Service Technicians	35	51	16	46%	\$20.05	23
29-1199	Health Diagnosing and Treating Practitioners, All Other	39	49	10	26%	\$29.64	23
19-1021	Biochemists and Biophysicists	26	39	13	50%	\$30.95	23
27-1022	Fashion Designers	47	53	6	13%	\$26.12	22
27-2011	Actors	52	48	(4)	(8%)	\$20.10	22
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	52	62	10	19%	\$21.53	22
29-2033	Nuclear Medicine Technologists	64	76	12	19%	\$30.20	22
19-1022	Microbiologists	31	42	11	35%	\$30.31	22
47-5021	Earth Drillers, Except Oil and Gas	43	50	7	16%	\$18.84	22
49-2092	Electric Motor, Power Tool, and Related Repairers	93	95	2	2%	\$16.47	22
51-9141	Semiconductor Processors	115	77	(38)	(33%)	\$17.73	22
27-4012	Broadcast Technicians	102	100	(2)	(2%)	\$16.72	21
51-4051	Metal-Refining Furnace Operators and Tenders	87	85	(2)	(2%)	\$21.49	21

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
45-4011	Forest and Conservation Workers	85	86	1	1%	\$15.17	21
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	126	108	(18)	(14%)	\$15.65	21
33-2021	Fire Inspectors and Investigators	60	62	2	3%	\$19.91	21
51-4052	Pourers and Casters, Metal	61	66	5	8%	\$16.06	21
29-1125	Recreational Therapists	42	53	11	26%	\$17.06	21
51-9071	Jewelers and Precious Stone and Metal Workers	94	80	(14)	(15%)	\$17.26	20
25-2059	Special Education Teachers, All Other	40	52	12	30%	\$23.59	20
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	85	83	(2)	(2%)	\$21.10	20
29-1181	Audiologists	24	37	13	54%	\$32.58	20
11-3111	Compensation and Benefits Managers	54	58	4	7%	\$48.49	20
27-2021	Athletes and Sports Competitors	54	53	(1)	(2%)	\$23.31	20
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22	34	12	55%	\$14.12	19
17-2031	Biomedical Engineers	24	35	11	46%	\$38.88	19
19-1029	Biological Scientists, All Other	39	44	5	13%	\$32.57	18
27-2023	Umpires, Referees, and Other Sports Officials	39	43	4	10%	\$14.41	18
51-4061	Model Makers, Metal and Plastic	55	60	5	9%	\$19.12	18
19-3022	Survey Researchers	44	55	11	25%	\$22.79	18
29-9012	Occupational Health and Safety Technicians	36	43	7	19%	\$24.03	18
53-6051	Transportation Inspectors	27	35	8	30%	\$33.25	18
43-9011	Computer Operators	137	137	0	0%	\$19.07	18
51-9193	Cooling and Freezing Equipment Operators and Tenders	35	43	8	23%	\$16.53	17
51-8092	Gas Plant Operators	52	40	(12)	(23%)	\$26.08	17
25-2051	Special Education Teachers, Preschool	42	51	9	21%	\$24.20	17
53-2011	Airline Pilots, Copilots, and Flight Engineers	33	36	3	9%	\$49.76	17
17-1021	Cartographers and Photogrammetrists	41	48	7	17%	\$27.47	17
51-4062	Patternmakers, Metal and Plastic	32	40	8	25%	\$21.07	16
11-9131	Postmasters and Mail Superintendents	79	68	(11)	(14%)	\$33.20	16

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
23-2099	Legal Support Workers, All Other	62	66	4	6%	\$24.56	16
19-4041	Geological and Petroleum Technicians	19	26	7	37%	\$18.74	16
17-1012	Landscape Architects	40	42	2	5%	\$26.25	16
17-3019	Drafters, All Other	33	42	9	27%	\$29.32	15
29-2091	Orthotists and Prosthetists	33	44	11	33%	\$37.08	15
45-2011	Agricultural Inspectors	32	37	5	16%	\$21.53	15
25-4012	Curators	43	48	5	12%	\$17.81	15
19-1012	Food Scientists and Technologists	18	25	7	39%	\$25.78	15
49-9092	Commercial Divers	29	35	6	21%	\$20.34	15
13-1075	Labor Relations Specialists	69	69	0	0%	\$30.75	15
53-2031	Flight Attendants	31	40	9	29%	\$19.88	15
17-3024	Electro-Mechanical Technicians	26	34	8	31%	\$25.04	14
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	57	58	1	2%	\$24.16	14
19-1013	Soil and Plant Scientists	25	30	5	20%	\$21.88	14
49-2091	Avionics Technicians	62	49	(13)	(21%)	\$26.73	14
51-4192	Layout Workers, Metal and Plastic	40	45	5	13%	\$22.33	14
29-1129	Therapists, All Other	36	44	8	22%	\$22.39	14
49-9069	Precision Instrument and Equipment Repairers, All Other	19	26	7	37%	\$21.16	14
27-4014	Sound Engineering Technicians	36	41	5	14%	\$20.96	14
19-1032	Foresters	35	37	2	6%	\$25.96	13
15-1111	Computer and Information Research Scientists	27	35	8	30%	\$43.49	13
19-4092	Forensic Science Technicians	25	27	2	8%	\$21.71	13
51-8099	Plant and System Operators, All Other	24	27	3	13%	\$26.88	13
19-1023	Zoologists and Wildlife Biologists	36	38	2	6%	\$24.87	13
29-1128	Exercise Physiologists	41	48	7	17%	\$19.66	13
53-7121	Tank Car, Truck, and Ship Loaders	16	23	7	44%	\$19.03	13
17-3021	Aerospace Engineering and Operations Technicians	13	21	8	62%	\$30.72	13
15-2011	Actuaries	24	29	5	21%	\$42.48	12

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
19-1031	Conservation Scientists	34	34	0	0%	\$24.57	12
19-2099	Physical Scientists, All Other	32	36	4	13%	\$42.55	12
19-3011	Economists	18	24	6	33%	\$36.77	12
19-3099	Social Scientists and Related Workers, All Other	33	38	5	15%	\$32.40	12
11-9161	Emergency Management Directors	59	61	2	3%	\$30.16	12
25-2023	Career/Technical Education Teachers, Middle School	34	38	4	12%	\$22.83	12
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	185	71	(114)	(62%)	\$15.74	12
39-4011	Embalmers	52	47	(5)	(10%)	\$20.09	12
19-3039	Psychologists, All Other	28	28	0	0%	\$38.19	12
47-5071	Roustabouts, Oil and Gas	26	29	3	12%	\$15.09	11
49-3092	Recreational Vehicle Service Technicians	22	25	3	14%	\$16.50	11
13-1021	Buyers and Purchasing Agents, Farm Products	33	38	5	15%	\$25.36	11
29-1023	Orthodontists	18	23	5	28%	\$93.31	11
17-2171	Petroleum Engineers	21	26	5	24%	\$63.91	11
51-2093	Timing Device Assemblers and Adjusters	32	37	5	16%	\$16.83	11
29-2054	Respiratory Therapy Technicians	43	49	6	14%	\$22.67	11
19-2012	Physicists	18	23	5	28%	\$54.14	10
45-2099	Agricultural Workers, All Other	24	25	1	4%	\$19.73	10
43-9081	Proofreaders and Copy Markers	41	42	1	2%	\$16.48	10
47-2231	Solar Photovoltaic Installers	13	20	7	54%	\$17.10	10
19-1099	Life Scientists, All Other	20	25	5	25%	\$33.21	10
51-7021	Furniture Finishers	52	49	(3)	(6%)	\$13.93	13
47-2051	Cement Masons and Concrete Finishers	616	609	(7)	(1%)	\$13.92	147
41-3041	Travel Agents	161	105	(56)	(35%)	\$13.91	25
53-7063	Machine Feeders and Offbearers	781	893	112	14%	\$13.89	294
47-2181	Roofers	539	488	(51)	(9%)	\$13.89	128
49-9094	Locksmiths and Safe Repairers	156	177	21	13%	\$13.87	80

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
11-9013	Farmers, Ranchers, and Other Agricultural Managers	590	334	(256)	(43%)	\$13.83	76
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	271	280	9	3%	\$13.81	120
47-2081	Drywall and Ceiling Tile Installers	321	249	(72)	(22%)	\$13.80	57
51-2021	Coil Winders, Tapers, and Finishers	76	83	7	9%	\$13.80	18
45-3011	Fishers and Related Fishing Workers	52	70	18	35%	\$13.75	31
29-2052	Pharmacy Technicians	1,648	2,048	400	24%	\$13.74	589
33-9011	Animal Control Workers	76	79	3	4%	\$13.73	21
47-2061	Construction Laborers	5,284	5,750	466	9%	\$13.73	1,886
51-4071	Foundry Mold and Coremakers	80	90	10	13%	\$13.73	27
47-2142	Paperhangers	21	18	(3)	(14%)	\$13.71	<10
37-3013	Tree Trimmers and Pruners	311	316	5	2%	\$13.71	95
53-7011	Conveyor Operators and Tenders	90	115	25	28%	\$13.70	55
29-2056	Veterinary Technologists and Technicians	527	697	170	32%	\$13.65	236
51-7031	Model Makers, Wood	33	31	(2)	(6%)	\$13.64	<10
47-2043	Floor Sanders and Finishers	29	29	0	0%	\$13.60	<10
51-9111	Packaging and Filling Machine Operators and Tenders	2,331	2,665	334	14%	\$13.51	933
51-6041	Shoe and Leather Workers and Repairers	38	31	(7)	(18%)	\$13.47	<10
43-9022	Word Processors and Typists	221	207	(14)	(6%)	\$13.43	14
43-3071	Tellers	2,317	2,370	53	2%	\$13.40	1,315
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	170	173	3	2%	\$13.40	44
39-3011	Gaming Dealers	19	22	3	16%	\$13.37	<10
47-4051	Highway Maintenance Workers	572	586	14	2%	\$13.35	111
47-2141	Painters, Construction and Maintenance	1,489	1,293	(196)	(13%)	\$13.33	262
51-9031	Cutters and Trimmers, Hand	115	114	(1)	(1%)	\$13.32	29
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	137	138	1	1%	\$13.32	40
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	1,289	983	(306)	(24%)	\$13.32	302
43-4111	Interviewers, Except Eligibility and Loan	607	695	88	14%	\$13.30	214
51-7099	Woodworkers, All Other	38	29	(9)	(24%)	\$13.28	15

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
21-1093	Social and Human Service Assistants	1,131	1,338	207	18%	\$13.25	541
39-3019	Gaming Service Workers, All Other	18	28	10	56%	\$13.23	14
37-2019	Building Cleaning Workers, All Other	100	82	(18)	(18%)	\$13.22	24
25-4031	Library Technicians	279	304	25	9%	\$13.21	183
47-2022	Stonemasons	37	28	(9)	(24%)	\$13.14	<10
31-9097	Phlebotomists	450	585	135	30%	\$13.07	236
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	64	57	(7)	(11%)	\$13.04	16
33-9032	Security Guards	3,811	4,786	975	26%	\$13.03	1,654
53-3031	Driver/Sales Workers	1,797	1,938	141	8%	\$13.01	451
41-9041	Telemarketers	636	825	189	30%	\$12.97	352
37-3019	Grounds Maintenance Workers, All Other	38	45	7	18%	\$12.96	18
47-3019	Helpers, Construction Trades, All Other	37	48	11	30%	\$12.93	19
37-2021	Pest Control Workers	555	612	57	10%	\$12.91	221
43-9061	Office Clerks, General	9,934	11,083	1,149	12%	\$12.90	3,368
49-3051	Motorboat Mechanics and Service Technicians	96	98	2	2%	\$12.88	28
39-6012	Concierges	45	63	18	40%	\$12.79	32
43-4171	Receptionists and Information Clerks	4,116	4,748	632	15%	\$12.79	1,843
31-2012	Occupational Therapy Aides	76	94	18	24%	\$12.77	41
41-9099	Sales and Related Workers, All Other	227	281	54	24%	\$12.65	106
25-2011	Preschool Teachers, Except Special Education	1,219	1,325	106	9%	\$12.64	517
53-6061	Transportation Attendants, Except Flight Attendants	14	18	4	29%	\$12.63	<10
49-9095	Manufactured Building and Mobile Home Installers	15	14	(1)	(7%)	\$12.62	<10
43-4071	File Clerks	373	407	34	9%	\$12.61	132
47-4031	Fence Erectors	77	90	13	17%	\$12.61	38
49-9064	Watch Repairers	22	18	(4)	(18%)	\$12.61	<10
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	340	441	101	30%	\$12.57	166
51-3021	Butchers and Meat Cutters	715	774	59	8%	\$12.56	247
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	362	217	(145)	(40%)	\$12.55	67

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
41-2021	Counter and Rental Clerks	1,864	2,043	179	10%	\$12.48	681
39-7011	Tour Guides and Escorts	53	61	8	15%	\$12.47	36
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	191	80	(111)	(58%)	\$12.47	18
51-2099	Assemblers and Fabricators, All Other	892	1,250	358	40%	\$12.46	536
47-3012	Helpers--Carpenters	173	186	13	8%	\$12.45	52
47-3013	Helpers--Electricians	478	538	60	13%	\$12.39	171
41-2022	Parts Salespersons	1,088	1,238	150	14%	\$12.35	467
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	787	525	(262)	(33%)	\$12.33	290
51-9198	Helpers--Production Workers	3,851	4,354	503	13%	\$12.33	1,265
49-3093	Tire Repairers and Changers	540	650	110	20%	\$12.32	334
45-2041	Graders and Sorters, Agricultural Products	81	96	15	19%	\$12.30	34
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	54	43	(11)	(20%)	\$12.24	15
43-9071	Office Machine Operators, Except Computer	129	143	14	11%	\$12.19	48
51-6051	Sewers, Hand	114	91	(23)	(20%)	\$12.14	21
43-2011	Switchboard Operators, Including Answering Service	542	516	(26)	(5%)	\$12.14	105
47-3016	Helpers--Roofers	63	56	(7)	(11%)	\$12.13	14
39-3012	Gaming and Sports Book Writers and Runners	29	27	(2)	(7%)	\$12.01	<10
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	16,986	19,903	2,917	17%	\$11.92	8,674
51-9123	Painting, Coating, and Decorating Workers	199	188	(11)	(6%)	\$11.89	40
29-2051	Dietetic Technicians	371	421	50	13%	\$11.82	92
51-6093	Upholsterers	158	147	(11)	(7%)	\$11.77	48
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	280	314	34	12%	\$11.76	132
41-2031	Retail Salespersons	19,435	21,931	2,496	13%	\$11.72	9,672
43-5021	Couriers and Messengers	443	464	21	5%	\$11.60	88
35-2019	Cooks, All Other	35	40	5	14%	\$11.60	14
39-2011	Animal Trainers	70	59	(11)	(16%)	\$11.59	34
53-3021	Bus Drivers, Transit and Intercity	237	274	37	16%	\$11.59	85
39-9032	Recreation Workers	1,077	1,246	169	16%	\$11.57	311

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
33-9091	Crossing Guards	185	198	13	7%	\$11.55	46
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	889	787	(102)	(11%)	\$11.45	281
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	176	206	30	17%	\$11.44	93
25-3098	Substitute Teachers	2,607	2,874	267	10%	\$11.40	744
29-2053	Psychiatric Technicians	274	267	(7)	(3%)	\$11.39	33
51-3099	Food Processing Workers, All Other	194	256	62	32%	\$11.39	124
49-9098	Helpers--Installation, Maintenance, and Repair Workers	531	618	87	16%	\$11.36	263
53-7064	Packers and Packagers, Hand	4,712	5,539	827	18%	\$11.33	2,185
49-3091	Bicycle Repairers	23	37	14	61%	\$11.28	25
53-6031	Automotive and Watercraft Service Attendants	142	211	69	49%	\$11.28	123
31-1014	Nursing Assistants	6,223	7,533	1,310	21%	\$11.24	2,669
43-5081	Stock Clerks and Order Fillers	8,084	8,572	488	6%	\$11.19	3,027
39-9041	Residential Advisors	430	482	52	12%	\$11.19	261
49-9063	Musical Instrument Repairers and Tuners	44	45	1	2%	\$11.16	18
51-9151	Photographic Process Workers and Processing Machine Operators	155	160	5	3%	\$11.07	55
35-9099	Food Preparation and Serving Related Workers, All Other	52	66	14	27%	\$11.06	46
43-4121	Library Assistants, Clerical	271	307	36	13%	\$11.05	163
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	261	314	53	20%	\$11.01	113
51-6031	Sewing Machine Operators	1,619	1,187	(432)	(27%)	\$11.01	125
53-7081	Refuse and Recyclable Material Collectors	952	1,050	98	10%	\$11.00	332
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	255	257	2	1%	\$11.00	64
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	249	303	54	22%	\$10.99	101
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	15	13	(2)	(13%)	\$10.95	<10
49-9093	Fabric Menders, Except Garment	38	16	(22)	(58%)	\$10.90	<10
27-1023	Floral Designers	177	109	(68)	(38%)	\$10.90	35
39-4021	Funeral Attendants	471	497	26	6%	\$10.90	143
39-9099	Personal Care and Service Workers, All Other	205	233	28	14%	\$10.82	90

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
33-3011	Bailiffs	69	69	0	0%	\$10.74	20
39-3099	Entertainment Attendants and Related Workers, All Other	36	43	7	19%	\$10.69	28
53-3041	Taxi Drivers and Chauffeurs	651	797	146	22%	\$10.67	235
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1,920	2,295	375	20%	\$10.63	912
53-7061	Cleaners of Vehicles and Equipment	1,439	1,760	321	22%	\$10.60	775
51-6052	Tailors, Dressmakers, and Custom Sewers	179	169	(10)	(6%)	\$10.60	23
31-9095	Pharmacy Aides	97	125	28	29%	\$10.58	50
53-6021	Parking Lot Attendants	128	175	47	37%	\$10.51	122
37-3011	Landscaping and Groundskeeping Workers	5,092	5,122	30	1%	\$10.51	1,458
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	202	65	(137)	(68%)	\$10.49	11
31-1015	Orderlies	1,042	1,154	112	11%	\$10.47	326
41-2012	Gaming Change Persons and Booth Cashiers	11	<10	Insf. Data	Insf. Data	\$10.42	<10
53-3022	Bus Drivers, School or Special Client	1,584	1,648	64	4%	\$10.40	375
51-3011	Bakers	740	819	79	11%	\$10.30	271
25-9041	Teacher Assistants	3,998	4,386	388	10%	\$10.27	1,349
51-3023	Slaughterers and Meat Packers	1,169	1,330	161	14%	\$10.21	493
31-2022	Physical Therapist Aides	149	214	65	44%	\$10.15	108
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,490	2,500	10	0%	\$10.07	751
31-1013	Psychiatric Aides	211	203	(8)	(4%)	\$10.06	45
39-3021	Motion Picture Projectionists	11	11	0	0%	\$9.92	<10
39-5094	Skincare Specialists	181	235	54	30%	\$9.88	73
35-3041	Food Servers, Nonrestaurant	733	877	144	20%	\$9.85	395
35-2012	Cooks, Institution and Cafeteria	2,536	2,742	206	8%	\$9.85	787
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	9,738	10,420	682	7%	\$9.84	2,785
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	48	57	9	19%	\$9.84	35
51-6021	Pressers, Textile, Garment, and Related Materials	272	209	(63)	(23%)	\$9.68	36
35-2014	Cooks, Restaurant	6,083	6,908	825	14%	\$9.58	2,145

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
39-2021	Nonfarm Animal Caretakers	844	925	81	10%	\$9.47	222
31-1011	Home Health Aides	3,199	4,272	1,073	34%	\$9.41	1,810
51-6011	Laundry and Dry-Cleaning Workers	1,046	963	(83)	(8%)	\$9.40	318
39-5011	Barbers	352	385	33	9%	\$9.29	159
39-6011	Baggage Porters and Bellhops	56	58	2	4%	\$9.21	18
43-4081	Hotel, Motel, and Resort Desk Clerks	1,206	1,281	75	6%	\$9.11	688
35-3011	Bartenders	1,644	1,812	168	10%	\$9.00	833
11-1031	Legislators	254	263	9	4%	\$8.98	68
35-2015	Cooks, Short Order	1,274	1,248	(26)	(2%)	\$8.97	258
39-9021	Personal Care Aides	4,649	6,352	1,703	37%	\$8.96	2,113
35-2021	Food Preparation Workers	3,565	3,709	144	4%	\$8.95	1,213
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,783	1,914	131	7%	\$8.91	1,554
35-3031	Waiters and Waitresses	11,195	11,945	750	7%	\$8.88	6,471
39-3091	Amusement and Recreation Attendants	1,145	1,290	145	13%	\$8.82	777
41-2011	Cashiers	17,773	18,875	1,102	6%	\$8.78	9,091
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	828	954	126	15%	\$8.65	526
35-9021	Dishwashers	1,464	1,613	149	10%	\$8.60	842
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	740	813	73	10%	\$8.59	553
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	13,344	15,106	1,762	13%	\$8.53	7,386
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	627	699	72	11%	\$8.47	529
37-2012	Maids and Housekeeping Cleaners	5,485	6,133	648	12%	\$8.25	1,884
35-2011	Cooks, Fast Food	3,447	3,454	7	0%	\$8.24	801
39-3031	Ushers, Lobby Attendants, and Ticket Takers	815	889	74	9%	\$8.13	545
39-5092	Manicurists and Pedicurists	246	291	45	18%	\$7.60	72
39-9011	Childcare Workers	3,748	4,186	438	12%	\$7.32	1,726
27-1012	Craft Artists	40	24	(16)	(40%)	\$7.29	<10

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
39-5093	Shampooers	53	60	7	13%	\$6.36	13
47-5061	Roof Bolters, Mining	0	0	0	0%	\$0.00	0
53-4012	Locomotive Firers	0	0	0	0%	\$0.00	0
55-9999	Military occupations	0	0	0	0%	\$0.00	0
99-9999	Unclassified Occupation	0	0	0	0%	\$0.00	0
		647,372	718,528	71,156	11%	\$18.72	247,178

Report 4B: Top 100 Openings

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
51-2092	Team Assemblers	26,638	29,414	2,776	10%	\$15.27	7,403
43-4051	Customer Service Representatives	14,743	16,899	2,156	15%	\$14.32	6,500
29-1141	Registered Nurses	11,936	13,949	2,013	17%	\$27.83	4,563
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,050	10,285	1,235	14%	\$19.02	3,084
11-1021	General and Operations Managers	9,453	10,458	1,005	11%	\$47.45	2,879
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,028	12,272	1,244	11%	\$14.87	2,666
43-1011	First-Line Supervisors of Office and Administrative Support Workers	6,686	7,523	837	13%	\$22.58	2,544
41-1011	First-Line Supervisors of Retail Sales Workers	7,438	8,060	622	8%	\$16.80	2,440
25-1099	Postsecondary Teachers	6,405	7,618	1,213	19%	\$31.91	2,279
25-2021	Elementary School Teachers, Except Special Education	5,959	6,763	804	13%	\$22.98	2,221
49-9071	Maintenance and Repair Workers, General	7,969	8,472	503	6%	\$18.15	2,165
13-2011	Accountants and Auditors	4,632	5,247	615	13%	\$31.19	2,133
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	6,711	7,347	636	9%	\$30.37	2,073
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,408	4,913	505	11%	\$14.54	1,864
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,195	5,720	525	10%	\$16.49	1,856
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,837	5,208	371	8%	\$24.01	1,746
51-4041	Machinists	4,468	4,998	530	12%	\$18.32	1,639
49-9041	Industrial Machinery Mechanics	3,339	3,837	498	15%	\$22.98	1,591
43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,502	8,309	807	11%	\$16.11	1,559
29-2061	Licensed Practical and Licensed Vocational Nurses	2,752	3,455	703	26%	\$18.16	1,487
43-5071	Shipping, Receiving, and Traffic Clerks	4,258	4,479	221	5%	\$14.64	1,429
49-3023	Automotive Service Technicians and Mechanics	3,942	4,183	241	6%	\$14.88	1,362
17-2141	Mechanical Engineers	2,613	2,920	307	12%	\$41.86	1,267

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
31-9092	Medical Assistants	2,558	3,155	597	23%	\$14.05	1,159
51-1011	First-Line Supervisors of Production and Operating Workers	5,515	5,607	92	2%	\$28.22	1,153
17-2112	Industrial Engineers	3,019	3,192	173	6%	\$38.21	1,138
41-3099	Sales Representatives, Services, All Other	1,893	2,420	527	28%	\$22.69	1,125
53-3033	Light Truck or Delivery Services Drivers	3,854	4,259	405	11%	\$15.07	1,067
33-3051	Police and Sheriff's Patrol Officers	2,993	3,077	84	3%	\$17.66	1,058
53-7051	Industrial Truck and Tractor Operators	3,021	3,272	251	8%	\$14.22	1,028
51-4121	Welders, Cutters, Solderers, and Brazers	2,851	3,066	215	8%	\$18.40	985
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,767	2,149	382	22%	\$18.65	935
47-2031	Carpenters	4,109	4,143	34	1%	\$15.33	924
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,322	2,662	340	15%	\$23.03	895
43-3011	Bill and Account Collectors	1,539	1,905	366	24%	\$15.22	861
47-2152	Plumbers, Pipefitters, and Steamfitters	1,808	2,366	558	31%	\$18.65	854
29-2041	Emergency Medical Technicians and Paramedics	1,609	1,961	352	22%	\$15.12	849
47-2111	Electricians	2,627	2,790	163	6%	\$19.32	845
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,223	2,429	206	9%	\$28.15	844
17-2051	Civil Engineers	1,678	2,044	366	22%	\$42.45	840
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,403	1,807	404	29%	\$18.22	836
43-3021	Billing and Posting Clerks	2,176	2,564	388	18%	\$15.46	832
43-6013	Medical Secretaries	1,512	2,083	571	38%	\$14.49	794
13-1071	Human Resources Specialists	1,892	2,276	384	20%	\$24.07	770
13-1161	Market Research Analysts and Marketing Specialists	1,671	2,166	495	30%	\$30.35	763
43-5061	Production, Planning, and Expediting Clerks	2,360	2,454	94	4%	\$18.87	753
15-1151	Computer User Support Specialists	2,111	2,495	384	18%	\$20.72	751
13-1111	Management Analysts	1,909	2,281	372	19%	\$32.11	703
49-9051	Electrical Power-Line Installers and Repairers	952	1,226	274	29%	\$27.12	678
47-1011	First-Line Supervisors of Construction Trades and Extraction	2,922	3,006	84	3%	\$24.59	668

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
	Workers						
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,923	2,174	251	13%	\$34.26	662
29-1051	Pharmacists	1,481	1,741	260	18%	\$57.39	658
15-1121	Computer Systems Analysts	1,542	1,898	356	23%	\$34.22	631
31-9091	Dental Assistants	1,276	1,589	313	25%	\$16.92	620
41-3021	Insurance Sales Agents	2,069	2,153	84	4%	\$19.08	618
11-9111	Medical and Health Services Managers	1,289	1,541	252	20%	\$41.02	602
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	2,169	1,482	(687)	(32%)	\$14.06	577
51-3092	Food Batchmakers	1,418	1,442	24	2%	\$14.55	570
47-2073	Operating Engineers and Other Construction Equipment Operators	1,483	1,628	145	10%	\$16.73	551
29-1123	Physical Therapists	937	1,202	265	28%	\$39.98	544
11-9199	Managers, All Other	1,593	1,738	145	9%	\$22.18	528
33-2011	Firefighters	1,656	1,720	64	4%	\$15.31	528
51-9199	Production Workers, All Other	599	919	320	53%	\$17.63	527
11-9033	Education Administrators, Postsecondary	1,260	1,416	156	12%	\$38.15	516
23-1011	Lawyers	1,799	1,932	133	7%	\$56.37	515
11-3031	Financial Managers	1,421	1,643	222	16%	\$55.07	512
29-2021	Dental Hygienists	820	1,075	255	31%	\$28.80	507
15-1132	Software Developers, Applications	1,123	1,457	334	30%	\$41.12	504
33-3012	Correctional Officers and Jailers	1,730	1,685	(45)	(3%)	\$14.79	501
13-2072	Loan Officers	1,245	1,479	234	19%	\$30.77	499
51-9197	Tire Builders	1,650	1,487	(163)	(10%)	\$22.62	481
29-1069	Physicians and Surgeons, All Other	912	1,112	200	22%	\$78.66	470
11-2022	Sales Managers	1,315	1,481	166	13%	\$47.02	467
27-2022	Coaches and Scouts	950	1,093	143	15%	\$24.23	461
39-9031	Fitness Trainers and Aerobics Instructors	1,229	1,511	282	23%	\$15.73	453

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
21-1012	Educational, Guidance, School, and Vocational Counselors	1,377	1,512	135	10%	\$23.61	444
13-1199	Business Operations Specialists, All Other	649	971	322	50%	\$30.46	436
43-5032	Dispatchers, Except Police, Fire, and Ambulance	943	1,079	136	14%	\$17.76	431
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,493	1,639	146	10%	\$21.47	422
43-5052	Postal Service Mail Carriers	1,331	1,103	(228)	(17%)	\$24.46	417
13-1051	Cost Estimators	774	911	137	18%	\$27.00	414
29-1062	Family and General Practitioners	1,208	1,275	67	6%	\$94.24	408
15-1142	Network and Computer Systems Administrators	1,506	1,657	151	10%	\$28.71	407
11-9032	Education Administrators, Elementary and Secondary School	1,140	1,225	85	7%	\$39.05	403
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,050	1,204	154	15%	\$18.56	400
11-9021	Construction Managers	1,455	1,367	(88)	(6%)	\$28.80	396
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	876	1,003	127	14%	\$21.84	391
29-2011	Medical and Clinical Laboratory Technologists	952	1,070	118	12%	\$25.18	387
11-1011	Chief Executives	1,383	1,449	66	5%	\$69.77	381
29-2071	Medical Records and Health Information Technicians	761	914	153	20%	\$16.80	378
21-1021	Child, Family, and School Social Workers	1,135	1,251	116	10%	\$15.62	378
11-3051	Industrial Production Managers	1,469	1,503	34	2%	\$49.65	374
11-9041	Architectural and Engineering Managers	877	993	116	13%	\$60.68	354
43-6011	Executive Secretaries and Executive Administrative Assistants	1,546	1,699	153	10%	\$22.47	353
49-9052	Telecommunications Line Installers and Repairers	560	737	177	32%	\$18.01	351
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,020	1,214	194	19%	\$14.73	349
29-2012	Medical and Clinical Laboratory Technicians	576	748	172	30%	\$18.57	349
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	846	935	89	11%	\$25.13	349
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	968	953	(15)	(2%)	\$18.20	347
41-1012	First-Line Supervisors of Non-Retail Sales Workers	1,767	1,833	66	4%	\$25.06	344

Report 4C: Career Pathways

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
Production (1)							
51-2092	Team Assemblers	26,638	29,414	2,776	10%	\$15.27	7,403
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,050	10,285	1,235	14%	\$19.02	3,084
49-9071	Maintenance and Repair Workers, General	7,969	8,472	503	6%	\$18.15	2,165
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,195	5,720	525	10%	\$16.49	1,856
51-4041	Machinists	4,468	4,998	530	12%	\$18.32	1,639
49-9041	Industrial Machinery Mechanics	3,339	3,837	498	15%	\$22.98	1,591
49-3023	Automotive Service Technicians and Mechanics	3,942	4,183	241	6%	\$14.88	1,362
17-2141	Mechanical Engineers	2,613	2,920	307	12%	\$41.86	1,267
51-1011	First-Line Supervisors of Production and Operating Workers	5,515	5,607	92	2%	\$28.22	1,153
17-2112	Industrial Engineers	3,019	3,192	173	6%	\$38.21	1,138
53-3033	Light Truck or Delivery Services Drivers	3,854	4,259	405	11%	\$15.07	1,067
53-7051	Industrial Truck and Tractor Operators	3,021	3,272	251	8%	\$14.22	1,028
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,767	2,149	382	22%	\$18.65	935
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,223	2,429	206	9%	\$28.15	844
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	2,169	1,482	(687)	(32%)	\$14.06	577
51-3092	Food Batchmakers	1,418	1,442	24	2%	\$14.55	570
51-9199	Production Workers, All Other	599	919	320	53%	\$17.63	527
51-9197	Tire Builders	1,650	1,487	(163)	(10%)	\$22.62	481
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,050	1,204	154	15%	\$18.56	400
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	876	1,003	127	14%	\$21.84	391
11-3051	Industrial Production Managers	1,469	1,503	34	2%	\$49.65	374
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,020	1,214	194	19%	\$14.73	349

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	846	935	89	11%	\$25.13	349
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	968	953	(15)	(2%)	\$18.20	347
							30,896
Administrative Support (4)							
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,028	12,272	1,244	11%	\$14.87	2,666
43-1011	First-Line Supervisors of Office and Administrative Support Workers	6,686	7,523	837	13%	\$22.58	2,544
43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,502	8,309	807	11%	\$16.11	1,559
43-5071	Shipping, Receiving, and Traffic Clerks	4,258	4,479	221	5%	\$14.64	1,429
43-3011	Bill and Account Collectors	1,539	1,905	366	24%	\$15.22	861
43-3021	Billing and Posting Clerks	2,176	2,564	388	18%	\$15.46	832
43-6013	Medical Secretaries	1,512	2,083	571	38%	\$14.49	794
43-5061	Production, Planning, and Expediting Clerks	2,360	2,454	94	4%	\$18.87	753
43-5032	Dispatchers, Except Police, Fire, and Ambulance	943	1,079	136	14%	\$17.76	431
29-2071	Medical Records and Health Information Technicians	761	914	153	20%	\$16.80	378
43-6011	Executive Secretaries and Executive Administrative Assistants	1,546	1,699	153	10%	\$22.47	353
							12,601
Sales (2)							
43-4051	Customer Service Representatives	14,743	16,899	2,156	15%	\$14.32	6,500
41-1011	First-Line Supervisors of Retail Sales Workers	7,438	8,060	622	8%	\$16.80	2,440
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	6,711	7,347	636	9%	\$30.37	2,073
41-3099	Sales Representatives, Services, All Other	1,893	2,420	527	28%	\$22.69	1,125
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,923	2,174	251	13%	\$34.26	662

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
41-3021	Insurance Sales Agents	2,069	2,153	84	4%	\$19.08	618
13-2072	Loan Officers	1,245	1,479	234	19%	\$30.77	499
11-2022	Sales Managers	1,315	1,481	166	13%	\$47.02	467
41-1012	First-Line Supervisors of Non-Retail Sales Workers	1,767	1,833	66	4%	\$25.06	344
							14,728
Health Care (3)							
29-1141	Registered Nurses	11,936	13,949	2,013	17%	\$27.83	4,563
29-2061	Licensed Practical and Licensed Vocational Nurses	2,752	3,455	703	26%	\$18.16	1,487
31-9092	Medical Assistants	2,558	3,155	597	23%	\$14.05	1,159
29-2041	Emergency Medical Technicians and Paramedics	1,609	1,961	352	22%	\$15.12	849
29-1051	Pharmacists	1,481	1,741	260	18%	\$57.39	658
31-9091	Dental Assistants	1,276	1,589	313	25%	\$16.92	620
11-9111	Medical and Health Services Managers	1,289	1,541	252	20%	\$41.02	602
29-1123	Physical Therapists	937	1,202	265	28%	\$39.98	544
29-2021	Dental Hygienists	820	1,075	255	31%	\$28.80	507
29-1069	Physicians and Surgeons, All Other	912	1,112	200	22%	\$78.66	470
29-1062	Family and General Practitioners	1,208	1,275	67	6%	\$94.24	408
29-2011	Medical and Clinical Laboratory Technologists	952	1,070	118	12%	\$25.18	387
21-1021	Child, Family, and School Social Workers	1,135	1,251	116	10%	\$15.62	378
29-2012	Medical and Clinical Laboratory Technicians	576	748	172	30%	\$18.57	349
							12,980
Construction and Trades (6)							
51-4121	Welders, Cutters, Solderers, and Brazers	2,851	3,066	215	8%	\$18.40	985
47-2031	Carpenters	4,109	4,143	34	1%	\$15.33	924
47-2152	Plumbers, Pipefitters, and Steamfitters	1,808	2,366	558	31%	\$18.65	854
47-2111	Electricians	2,627	2,790	163	6%	\$19.32	845

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
17-2051	Civil Engineers	1,678	2,044	366	22%	\$42.45	840
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,403	1,807	404	29%	\$18.22	836
49-9051	Electrical Power-Line Installers and Repairers	952	1,226	274	29%	\$27.12	678
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,922	3,006	84	3%	\$24.59	668
47-2073	Operating Engineers and Other Construction Equipment Operators	1,483	1,628	145	10%	\$16.73	551
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,493	1,639	146	10%	\$21.47	422
11-9021	Construction Managers	1,455	1,367	(88)	(6%)	\$28.80	396
11-9041	Architectural and Engineering Managers	877	993	116	13%	\$60.68	354
49-9052	Telecommunications Line Installers and Repairers	560	737	177	32%	\$18.01	351
							8,703
Technical Support (7)							
13-2011	Accountants and Auditors	4,632	5,247	615	13%	\$31.19	2,133
13-1071	Human Resources Specialists	1,892	2,276	384	20%	\$24.07	770
13-1161	Market Research Analysts and Marketing Specialists	1,671	2,166	495	30%	\$30.35	763
15-1151	Computer User Support Specialists	2,111	2,495	384	18%	\$20.72	751
13-1111	Management Analysts	1,909	2,281	372	19%	\$32.11	703
15-1142	Network and Computer Systems Administrators	1,506	1,657	151	10%	\$28.71	407
15-1121	Computer Systems Analysts	1,542	1,898	356	23%	\$34.22	631
23-1011	Lawyers	1,799	1,932	133	7%	\$56.37	515
11-3031	Financial Managers	1,421	1,643	222	16%	\$55.07	512
15-1132	Software Developers, Applications	1,123	1,457	334	30%	\$41.12	504
13-1199	Business Operations Specialists, All Other	649	971	322	50%	\$30.46	436
13-1051	Cost Estimators	774	911	137	18%	\$27.00	414
							8,538

SOC	Description	2015 Jobs	2025 Jobs	2015 - 2025 Change	2015 - 2025 % Change	Avg. Hourly Earnings	Openings
Education (5)							
25-1099	Postsecondary Teachers	6,405	7,618	1,213	19%	\$31.91	2,279
25-2021	Elementary School Teachers, Except Special Education	5,959	6,763	804	13%	\$22.98	2,221
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,837	5,208	371	8%	\$24.01	1,746
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,322	2,662	340	15%	\$23.03	895
11-9033	Education Administrators, Postsecondary	1,260	1,416	156	12%	\$38.15	516
21-1012	Educational, Guidance, School, and Vocational Counselors	1,377	1,512	135	10%	\$23.61	444
11-9032	Education Administrators, Elementary and Secondary School	1,140	1,225	85	7%	\$39.05	403
27-2022	Coaches and Scouts	950	1,093	143	15%	\$24.23	461
							8,964
Other							
11-1021	General and Operations Managers	9,453	10,458	1,005	11%	\$47.45	2,879
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,408	4,913	505	11%	\$14.54	1,864
33-3051	Police and Sheriff's Patrol Officers	2,993	3,077	84	3%	\$17.66	1,058
11-9199	Managers, All Other	1,593	1,738	145	9%	\$22.18	528
33-2011	Firefighters	1,656	1,720	64	4%	\$15.31	528
33-3012	Correctional Officers and Jailers	1,730	1,685	(45)	(3%)	\$14.79	501
39-9031	Fitness Trainers and Aerobics Instructors	1,229	1,511	282	23%	\$15.73	453
43-5052	Postal Service Mail Carriers	1,331	1,103	(228)	(17%)	\$24.46	417
11-1011	Chief Executives	1,383	1,449	66	5%	\$69.77	381